

CONFIDENTIAL

Release Date

5-8-76

PW



Wichita Industries, Inc. - Fed.
SE/NW Sec. 11-T17N, R9E 667

COUNTY Coconino AREA Morman Lake LEASE NO. Federal A-8585

WELL NAME Wichita Industries, Inc. Federal

LOCATION SE/NW SEC 11 TWP 17N RANGE 9E FOOTAGE 2089.2 FWL & 2304.86 FNL

ELEV 7640 GR 7650 KB SPUD DATE 8-31-76 STATUS DE A 10-4-76 TOTAL
 COMPLETE DATE 12-1-76 DEPTH 4188

CONTRACTOR Signal Oilfield Service, Inc. per compl Rept

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>9 5/8</u>	<u>808</u>			<input checked="" type="checkbox"/>
<u>7"</u>	<u>3964</u>			<input type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <input type="checkbox"/>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Kaibab</u>	<u>804</u>		<input checked="" type="checkbox"/>	
<u>Coconino</u>	<u>1188</u>			
<u>Supai</u>	<u>1768</u>			<u>SEE Geological Report</u> <u>in log file</u>
<u>Ft Apache</u>	<u>2550</u>			
<u>Nac6</u>	<u>3470</u>			
<u>Redwall</u>	<u>3818</u>			
<u>Martin</u>	<u>3922</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Comp. Neutron Dens.</u>			<input checked="" type="checkbox"/>
<u>Neutron</u>			SAMPLE DESCRP. <input checked="" type="checkbox"/>
<u>Dual Ind - later log</u>			SAMPLE NO. <u>1770</u>
<u>RM - 5' cat.</u>			CORE ANALYSIS <input checked="" type="checkbox"/>
			DSTs <u>None</u>

REMARKS _____ APP. TO PLUG
 _____ PLUGGING REP.
 _____ COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. Travelers Indemnity Co. filed in P/N 69 BOND NO. 335-B-7095

BOND AMT. \$ 25,000.00 CANCELLED _____ DATE _____ ORGANIZATION REPORT 2-17-76

FILING RECEIPT 697 LOC. PLAT WELL BOOK PLAT BOOK

API NO. 02-0C5-20009 DATE ISSUED 8-30-76 DEDICATION S/2 of the NW/4

PERMIT NUMBER 667

CONFIDENTIAL

(over) Release Date 10-1-77

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator: Wichita Industries, Inc. Address: Houston, Tex
c/o K & A, Inc., 3430 Entex Bldg., 77002
 Federal, State or Indian Lease Number or name of lessor if fee lease: A-8585 Well Number: 1-11 Field & Reservoir: Wildcat
 Location: 357' N and 495' W of Center Sec. 11 County: Coconino
 Sec. TWP-Range or Block & Survey: T-17-N, R-9-E, G & SRB & M Survey

Date spudded: 9/1/76 Date total depth reached: 10/1/76 Date completed, ready to produce: None Elevation (DF, RKB, RT or Gr.) 7652 feet Elevation of casing hd. Range: None feet
 Total depth: 4188 P.B.T.D.: None Single, dual or triple completion?: -0- If this is a dual or triple completion, furnish separate report for each completion: -0-

Producing interval (s) for this completion: None Rotary tools used (interval): None Cable tools used (interval): None
 Was this well directionally drilled? No Was directional survey made? No Was copy of directional survey filed? No Date filed: None
 Type of electrical or other logs run (check logs filed with the commission): Dual Induction Laterolog & Compensated Neutron Log Date filed: None

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
	15"	13-3/8"	48#	39'	3 sx	None
	12-1/4"	9-5/8"	32.3#	808'	350 sx	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
- in.	- ft.	- ft.	- in.	- ft.	- ft.	-	-

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: None Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): None
 Date of test: None hrs. tested: None Choke size: None Oil prod. during test: None bbls. Gas prod. during test: None MCF Water prod. during test: None bbls. Oil gravity: None ° API (Corr)
 Tubing pressure: None Casing pressure: None Cal'ed rate of Production per 24 hrs.: None Oil: None bbls. Gas: None MCF Water: None bbls. Gas-oil ratio: None
 Disposition of gas (state whether vented, used for fuel or sold): None

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....agent.....of the Wichita Industries, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: 12/1/76 RECEIVED DEC 6 1976 Signature: Byrd G. Peavey
 O & G CONS. COMM.

Permit No. 667 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<u>FORMATION TOPS</u>			
Surface Elevation = <u>7640'</u>			
<u>Tops</u>		<u>Depth from Surface</u>	<u>Sub Sea</u> (+ or -)
TERTIARY VOLCANICS		Surface	+ 7640'
PERMIAN			
Kaibab		804'	+ 6836'
Coconino		1188'	+ 6452'
Supai		1768'	+ 5872'
Fort Apache		2550'	+ 5090'
PENNSYLVANIAN			
Naco		3470'	+ 4170'
Molas		Absent?	
MISSISSIPPIAN			
Redwall		3818'	+ 3822'
DEVONIAN			
Martin		3922'	+ 3718'
TOTAL DEPTH		4188'	+ 3452'

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach driller's log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil and Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

Operator Wichita Industries, Inc.		Address c/o K & A, Inc., 3430 Entex Bldg/ 77002			Houston, Tex.	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. A-8585		Well No. 1-11	Field & Reservoir Wildcat			
Location of Well 2089.2' FWL & 2304.86' FNL, Sec. 11, T-17-N, R-9-E G&SRB&M				Sec-Twp-Rge or Block & Survey	County Coconino	
Application to drill this well was filed in name of Wichita Industries	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbbls/day) None	Gas (MCF/day) None	Dry? Yes		
Date plugged: 10/4/76	Total depth 4188	Amount well producing when plugged: Oil (bbbls/day) None	Gas (MCF/day) None	Water (bbbls/day) None		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement			
None						

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
13-3/8"	39'	None	39'		
9-5/8"	808'	None	808'		<i>See Sundry Notice for details</i>

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water.
Devonian

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
None		

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the agent of the Wichita Industries, Inc. (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date 10/8/76 Signature *Byron G. Peera*

Permit No. 667

Form No. 10

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

Form 9-331
Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Abandonment

2. NAME OF OPERATOR
Wichita Industries, Inc.

3. ADDRESS OF OPERATOR
c/o K & A, Inc., 3430 Entex Bldg, Houston 77002

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 357' N and 495' W of center
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
A-858

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-11

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 11, T17N, R9E, G&SR B & M

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7652' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

(NOTE: Report results of multiple completions or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Abandonment plugs as witnessed by USGS were as follows:

Plug	Sacks	Cu. Ft.	Calc. Top	Actual Top (As Tagged)
# 1	50	59	3915'	4100'
2	50	59	3848'	4088'
3	50	59	3839'	3881' (83' Above shoe)

Perforated at 1190' and squeezed w/50 sks but tagged no cement. Pumped bridging plug down the hole and followed w/25 sks. Waited 5 hours before tagging top at 1020'. After dismantling BOP and cutting off Bradenhead a final surface plug of 25 sks was implaced along with a 4' monument suitably inscribed.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ FL

18. I hereby certify that the foregoing is true and correct

SIGNED: E. H. Leane TITLE: Chief Prod. Clerk DATE: 10/24/76

(This space for Federal or State office use)
APPROVED BY: D. F. Russell TITLE: District Engineer DATE: May 23, 1977
CONDITIONS OF APPROVAL, IF ANY: D.F. Russell

RECEIVED

cc: Arizona Oil & Gas Conservation Commission
Phoenix, Arizona 85020

O & G CONS. COMM.



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
 OPERATOR Wichita Industries, Inc. ADDRESS W & A, Inc. 3430 Entex Bldg. Houston, Tex. 77002
 Federal, State, or Indian Lease Number A-8585 WELL NO. 1-11
 or Lessor's Name if Fee Lease

LOCATION 2089.2' FWL & 2304.86' FNL, Sec 11, T-17-N, R-9-E

TYPE OF WELL Dry Hole TOTAL DEPTH 4188'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

- 1. COMPLETE CASING RECORD.**
- 1 Jt. 13 3/8" OD H-40, 48#/Ft. Conductor pipe set @ 39', cemented w/3 sxs. common cement.
 - 22 Jts. 9 5/8" OD H-40, 32.3#/Ft. surface casing set @ 808', cemented w/350 sxs. Halliburton light cement w/2% calcium flouride, and 1/4# per sx. Flocele and 250 sxs. class B cement w/2% calcium flouride.

- 2. FULL DETAILS OF PROPOSED PLAN OF WORK**
 TD-4188'
- 10/2 Started plugging w/Halliburton @ 2:00 A.M. First plug used 50 sxs. class B cement w/2% calcium chloride.
 - 10/3 Mixed 150 bbls. LCM (40%) pumped in hole got circulation, mixed 50 sxs class B cement w 2% calcium chloride set plug. Top of plug 3881' to 4018'. Filled casing w/mud.
 - 10/4 Perforated @ 1190' and went in hole and cemented w/50 sxs. class B cement w/2% calcium cholride. Vacuum on well after cementing. Tagged for cement plug, but no cement. Used cedar fiber and cotton seed hulls from top. Cemented w/25 sxs. class B cement w/2% calcium chloride and waited 5 hours to tag plug. Top of plug at 1020' bottom at 1155'. Dismantled BOP and cut off Bradenhead. Put 25 Sx. cement plug in top and cap well with 4' monument. Released rig at 8:00 A.M.

DATE COMMENCING OPERATIONS Verbal consent given by Mr. Allen

NAME OF PERSON DOING WORK Halliburton ADDRESS Farmington
 Signature *[Handwritten Signature]*
 Title Chief Production Clerk
 Address 3430 Entex Building Houston, Texas 77002
 Date October 8, 1976

Date Approved _____
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: _____

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 8

Permit No. 667

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
 2. Oil Well GAS Well OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-11
 Location 2089.2' FWL & 2304.86' FNL
 Sec. 11 Twp. 17-N Rge. 9-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease: A-8585

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>	Drilling	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 10-2-76 Started plugging with Halliburton @ 2:00 A.M. First plug used 50 sxs class B cement w/2% Calcium Chloride.
- 10-3-76 Mixed 150 bbls. LCM (40%) pumped in hole, got circulation, mixed 50 sxs Class B cement w/2% Calcium Chloride. Set plug. Top of plug 3881' to 4018'. Filled casing with mud.
- 10-4-76 Perforated @ 1190' and went in hole and cemented with 50 sxs.class B cement w/2% Calcium Chloride. Vacuum on well after cementing. Tagged for cement plug, but no cement. Used cedar fiber and cotton seed hulls from top. Cemented with 25 sxs class B cement w/2% Calcium Chloride and waited 5 hours to tag plug. Top of plug at 1020', bottom at 1155'. Dismantled BOP and cut off Braden head. Put 25 sxs cement plug in top and cap well with 4' monument. Released rig at 8:00 A.M.

8. I hereby certify that the foregoing is true and correct.

Clyde G. Pearce
 Clyde G. Pearce

Agent

Date 10-8-76

Permit No. 667

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
 2. Oil Well GAS Well OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-11
 Location 2089.2' FWL & 2304.86 FNL
 Sec. 11 Twp. 17-N Rge. 9-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8585
 5. Field or Pool Name _____
 6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____ <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/25/76 Drilling at 3876'

9/26/76 Drilling at 3970'

9/27/76 Out of hole to log, ran Compensated Neutron Formation Density Log & Dual Induction Laterolog. In hole to condition, out of hole, laid down drill collars, started in hole w/7" casing @ 12 midnight, pipe on bottom @ 3964.02' @ 5:30 am, 38 jts of 23# second hand J-55 (1531.12') and 67 jts of 20# second hand J-55 (2438.90') total pipe is 3970.02'. Pipe set 6' above elevation. Cemented w/150 sx Class B (177cu ft) R&L to 1121', plugged down at 6:45 am.

9/28/76 3970' - Top of Mississippian @ 3818', Top of Devonian @ 3922'.

9/29/76 Drilling @ 4032'

9/30/76 Drilling @ 4137'

10/1/76 Rig up Schlumberger to log - 5-1/2 hrs logging. Lay down drill collars - in hole w/2-7/8" drill pipe. Wait on USGS to plug. Ran Dual Induction Laterolog & Compensated Neutron Log.

RECEIVED

OCT 4 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

By Andy de G. Peoren Title Agent Date 10/1/76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies

Permit No. 667

Form No. 25

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-B1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. A-8585	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME None	
8. FARM OR LEASE NAME Federal	
9. WELL NO. 1-11	
10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA G&SR&M	
12. COUNTY OR PARISH Coconino	13. STATE Arizona
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, ST, GR, etc.) 7640 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Drilling Deeper

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

We would like to amend the original permit as the projected depth now will be 4500' instead of 4000'. The change is due to the geological structure is running deeper in this well.

RECEIVED
SEP 30 1976
O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Agent DATE 9/22/76

(This space for Federal or State office use)
APPROVED BY [Signature] TITLE District Engineer DATE September 27, 1976
CONDITIONS OF APPROVAL, IF ANY:

SEE ATTACHED CONDITIONS AND REQUIREMENTS

cc: Arizona Oil & Gas Conser. *See Instructions on Reverse Side
Comm. Phoenix, Arizona

GEOLOGICAL SURVEY
RECEIVED
SEP 27 1976

RECEIVED
SEP 27 1976
O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
2. Oil Well GAS Well OTHER (Specify) Wildcat
3. Well Name Federal No. 1-11
Location 2089.2' FWL & 2304.86 ENL
Sec. 11 Twp. 17-N Rge. 9-E County Coconino Arizona.
4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8585
5. Field or Pool Name _____
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>	<u>Drilling</u>	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/18/76 thru 9/20/76 Drilling at 2187'

9/21/76 Drilling at 2875'

9/22/76 Drilling at 3465'

9/23/76 Drilling at 3521'

9/24/76 Drilling at 3579'

8. I hereby certify that the foregoing is true and correct.

Hydra B. Lewis Title Agent Date 9/24/76

Permit No. 667

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 25

Form 3-5814
(May 1965)

SUBMIT IN QUOTE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 42-R142B

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Wichita Industries, Inc.

3. ADDRESS OF OPERATOR
% K. & A., Inc., 3430 Entex Building, Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
SE 1/4 NW 1/4, Sec. 11, T-17-N, R-9-E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
30 Miles Southeast of Flagstaff

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest Grig. unit line, if any)
554'

16. NO. OF ACRES IN LEASE
2560.12

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

19. PROPOSED DEPTH
4000

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7640 GR

22. APPROX. DATE WORK WILL START*
9/1/76

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	10-3/4"	40.5#	400	300 Sks.
	5-1/2"	23#	4000	750 Sks.

Geology - The Mormon Mountain area is a surface anticlinal feature and we hope to find a Devonian reef with sufficient porosity and permeability to be commercially productive of hydrocarbons. The expected top is 3500 feet.

Drilling - We expect to use a H-37 Ideco rotary drilling rig. The rig specifications are:

- RECEIVED SEP 24 1976 O & G CONS. COMM.
- (1) Diesel Fuel
 - (2) 1500 to 6000' drilling range
 - (3) 485 horsepower drawworks
 - (4) 300 horsepower mud pumps, type 1 FXKGD
 - (5) QRC type blowout preventers equipped with normal controls and pipe and blind rams.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Boyd H. Peavey TITLE Agent DATE 8-18-76

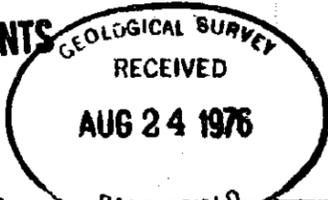
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

orally APPROVED BY D. F. Russell TITLE District Engineer DATE Sept. 1, 1976

by telephone CONDITIONS OF APPROVAL, IF ANY: D. F. Russell

- cc - Reg. Manager thru L.A.
 - BLM State Office thru L.A.
 - USGS, Coconino Co., Arizona
 - Dist. Geologist, L.A.
 - Oil & Gas Conservation Commission; Phoenix, Ariz.
- SEE ATTACHED CONDITIONS AND REQUIREMENTS *See Instructions On Reverse Side



This copy for _____

Your proposed work is approved subject to the following requirements:

1. Compliance with Federal Oil and Gas Operating Regulations.
2. The date actual drilling is started shall be reported promptly to the District Engineer.
3. Any change in the approved program must receive prior approval of the District Engineer.
4. Install adequate blowout prevention equipment and maintain in good condition at all times. Rams should be tested occasionally by opening and closing and against pressure.
5. All pertinent data, including electrical logs, directional surveys, core descriptions and analyses, stratigraphic and faunal determinations, formation tests, and similar information shall be submitted in duplicate. Electrical logs and similar surveys and the results of formation tests should be submitted as soon as the records are available. Other data not previously submitted shall be included in or submitted with the log and history.
6. Notify the District Engineer in advance of formation or water shut-off tests.
7. Before the production string is cemented or the hole abandoned, the District Engineer shall be notified and allowed sufficient time to examine cores, electric logs or other records.
8. All rigs or wells shall be permanently marked in a conspicuous place with the name of the operator, the lease serial number and the number and location of the well. This marker to be maintained at all times.
9. Drilling equipment shall not be removed from any suspended drilling well without first securing the written consent of the District Engineer.
10. Two copies of the Lessee's Monthly Report of Operations (Form 9-329) must be forwarded not later than the sixth of the following month to:

RECEIVED

SEP 24 1976

D & G CONS. COMM.

Area Oil and Gas Supervisor
U. S. Geological Survey
Pacific Area
7744 Federal Building
300 North Los Angeles Street
Los Angeles, California 90012

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.
 2. Oil WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Federal No. 1-11
 Location 2089.2' FWL & 2304.86 FNL
 Sec. 11 Twp. 17-N Rge. 9-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8585
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
(OTHER) <u>Drilling</u>	<input type="checkbox"/>		<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
				(OTHER)	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9-11-76 Drilling at 835'
9/12/76 Drilling at 1357'
9/13/76 Working on stuck drill pipe. Waiting for Freepoint indicator.
9/14/76 Ran freepoint indicator. In hole with wash pipe to go over drill collars.
9/15/76 Total depth 1423'. Fishing, retrieved fish, preparing to drill ahead.
9/16/76 Drilling at 1615'
9/17/76 Drilling at 2187'

RECEIVED

SEP 20 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Gloria J. Hill Title Agent Date 9/17/76

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 28

Permit No. 667

RECEIVED

SEP 18 1976

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Inc.

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Federal No. 1-11

Location 2089.2' FWL & 2304.86 FNL

Sec. 11 Twp. 17-N Rge. 9-E County Coconino Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8585

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 9/4/76 Drilling at 134'
- 9/5/76 Drilling at 157'
- 9/6/76 Drilling at 193'
- 9/7/76 Drilling at 358'
- 9/8/76 Drilling at 458'
- 9/9/76 Drilling at 707'
- 9/10/76 Drilling at 835'

8. I hereby certify that the foregoing is true and correct.
[Signature] Title Agent Date 9/10/76

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 28

Permit No. 667

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Wichita Industries, Ind.
 2. Oil Well GAS Well OTHER (Specify) Wildcat
 3. Well Name Federal, 1-11
 Location 2089.2' FWL & 2304.86' FNL
 Sec. 11 Twp. 17N Rge. 9-E County Coconino Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8585

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Drilling</u> <input type="checkbox"/>		(OTHER) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/30/76 - Moving in Drilling Rig.
 8/31/76 - Drilling at 60' - 8" hole.
 9/1/76 - Drilling at 80' - 8" hole as pilot hole for 15" hole.
 9/2/76 - Drilling at 50' - 13 3/4" hole.
 9/3/76 - Drilling at 73' - 13 3/4" hole. Set 1 joint 13 3/8" 48.0 #/ft. H-40 casing at 39'. Cemented w/3 sxs. common cement.

RECEIVED

SEP 7 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signature Byron B. Pearce Title Agent Date 9/3/76

Permit No. 667

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Flagstaff

30.0 mi.

MORMAN LAKE
Loop Road

MORMAN LAKE

Lockett
No. 1

Wichita Ind.
Fed. 1-11

IR 17

STONE MAN LAKE Rd.

To Winslow

1.05

3.2

4.10

5.50

19.7

Highway 87

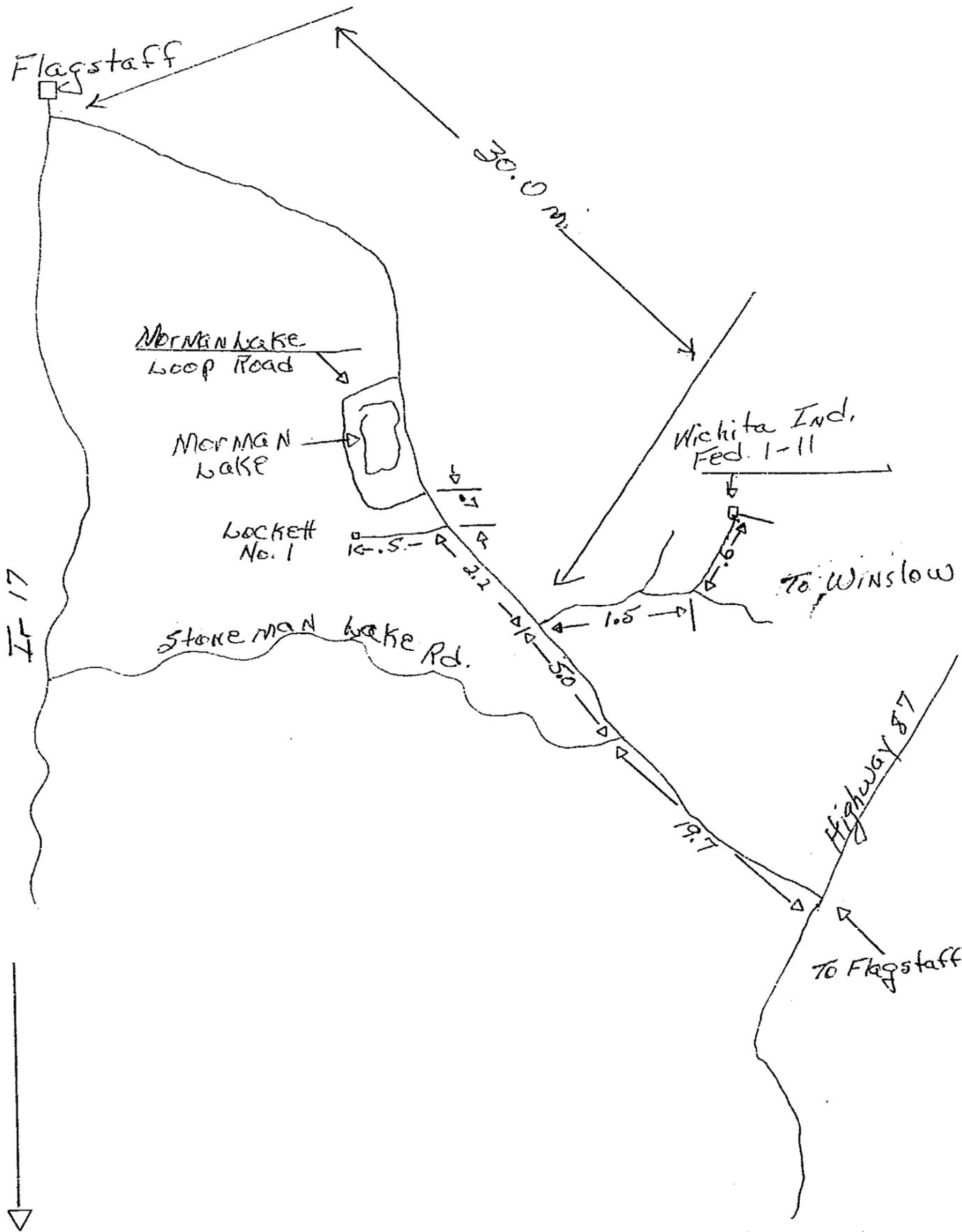
To Flagstaff

To PHOENIX

Wichita Industries, Inc.
Lockett No. 1
Fed. 1-11

Permit No. 666
Permit No. 667

To Payson



APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

RECEIVED

AUG 30 1976

O & G CONS. COMM.

NAME OF COMPANY OR OPERATOR

Wichita Industries, Inc.

Address: K & A, Inc., 3430 Entex Building, Houston City Texas 77002 State

Signal Oilfield Service, Inc.

Drilling Contractor

Address: 1200 Security Life Building, Denver, Colorado 80202

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
Federal Lease A-8585	1-11	7640
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling completed or applied—for well on the same lease:	
554 feet		
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2560.12	None	

If lease, purchased with one or more wells drilled, from whom purchased: Name Address
None

Well location (give footage from section lines): Section—township—range or block and survey Dedication (Comply with Rule 105)
2089.2' FWL & 2304.86' FNL Sec 11, T-17-N, R-9-E G&SRB&M S 1/2 NW 1/4

Field and reservoir (if wildcat, so state) County
Wildcat Coconino

Distance, in miles, and direction from nearest town or post office
30 miles southeast of Flagstaff

Proposed depth: Rotary or cable tools Approx. date work will start
4000 ^{see} 4500 letter September 1, 1976

Bond Status: Blanket Bond Organization Report Filing Fee of \$25.00
Amount \$25,000 On file X Or attached Attached \$25.00

Remarks: RECEIVED
AUG 23 1976
O & G CONS. COMM.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the agent of the

Wichita Industries, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature: *Raymond H. Pearce*

Date: 8/18/76

Permit Number: 667
Approval Date: 8-30-76
Approved By: *W.B. Allen*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name _____

Position _____

Company _____

Date _____

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
10-3/4"	40.5#	J-55	-0-	400	400	300
5-1/2"	23#	J-	-0-	4,000	4,000	750



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: Nichita Industries, Inc. (OPERATOR)

to drill a well to be known as

Federal No. 1-11 (WELL NAME)

located 2089.2' FWL & 2304.86' FNL

Section 11 Township 17N Range (E), Coconino County, Arizona.

The S/2 of the NW 1/4 Sec 11, T17N, R9E of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 30 day of August, 1976

OIL AND GAS CONSERVATION COMMISSION

By W. O. [Signature]
EXECUTIVE SECRETARY

CONFIDENTIAL

Release Date _____

PERMIT N^o 667

RECEIPT NO. 697

API No. 02-005-20009

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

Handwritten scribbles and lines at the top of the page.

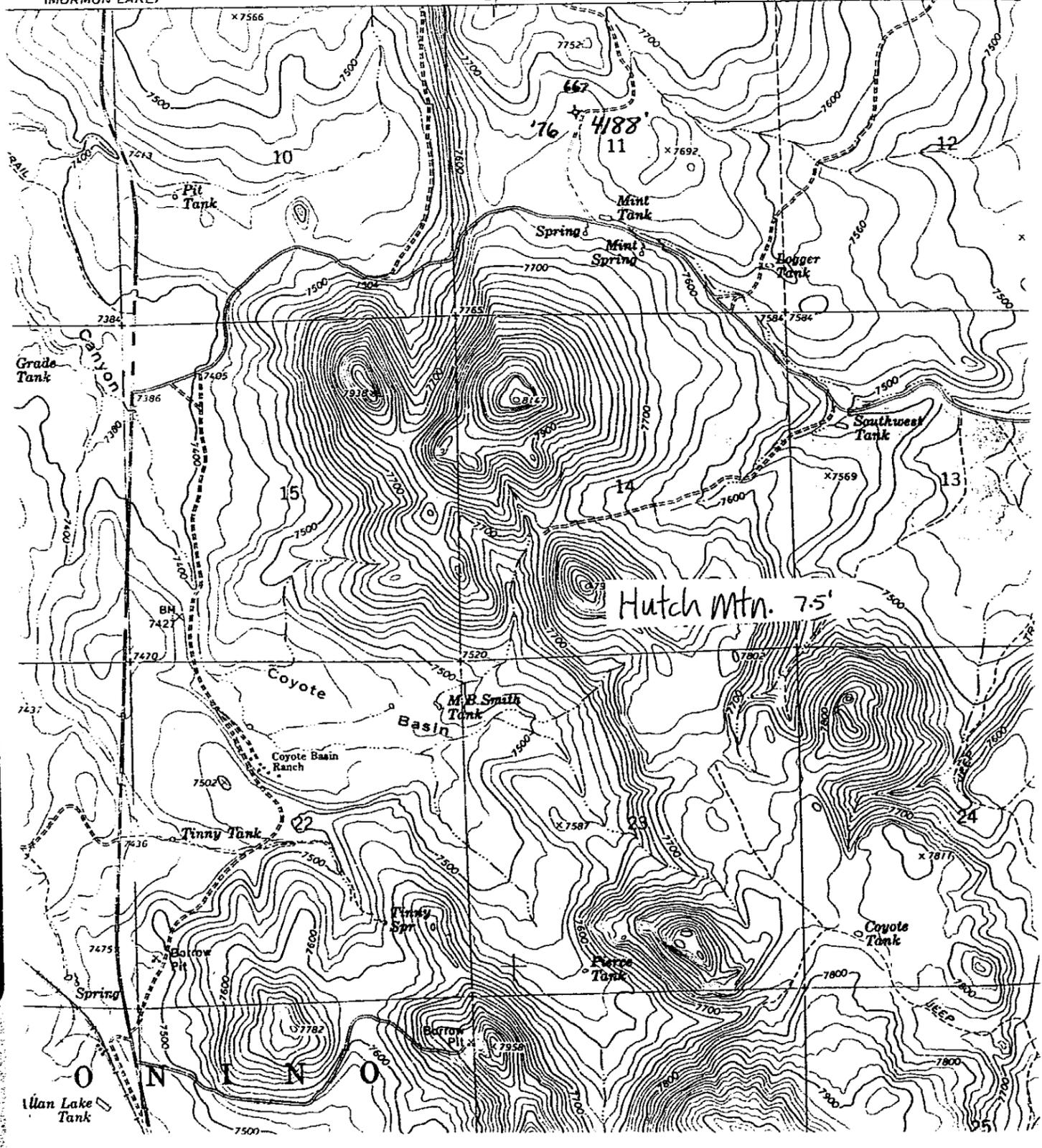
HUTC
ARI
7.5 MINU'

FLAGSTAFF 30 MI
3753 IV NW
(MORMON LAKE)

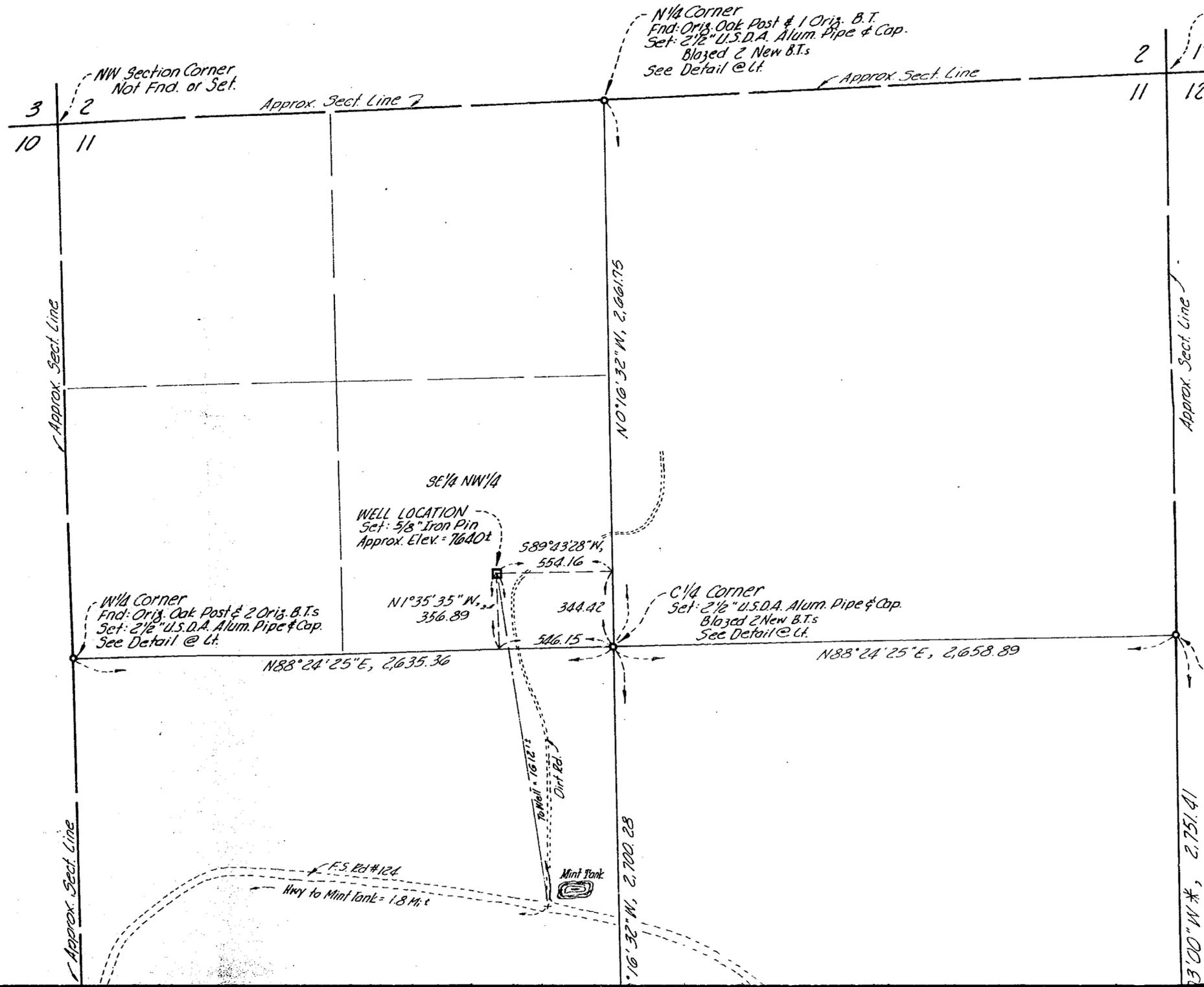
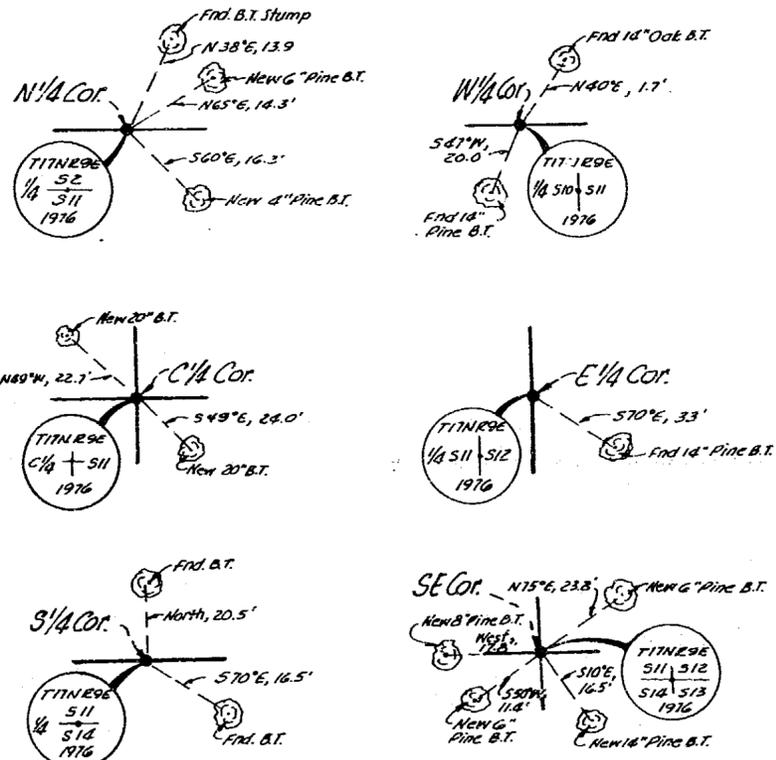
25' 462

463

464



CORNER DETAILS:



Section Corner
Fnd. or Set.

Approx. Sect. Line 7

N 1/4 Corner
Fnd: Orig. Oak Post & 1 Orig. B.T.
Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
Blazed 2 New B.T.s
See Detail @ Lt.

NE Section Corner
Not Fnd. or Set.

2 1
11 12

Approx. Sect. Line



General Notes:

1. Exterior and interior section lines shown as approximations were not surveyed in the field.
2. The well location shown hereon was set at distances and bearings perpendicular to the mid-section lines.
3. Existing topography and elevations were not part of the survey. The elevation shown at the well site was taken from the "Hutch Mtn." Quadrangle Map, 1965.
4. The location of the roads shown hereon are approximations.
5. All corners set on this survey are stamped: R.L.S. 4321 in addition to other required information stamped on the corners.
6. Not all corners shown on this plot were included in closed traverses. Accordingly, no statement about relative survey accuracy can be made. Distances were measured by EDM equipment and angles were measured with 1 second theodolite.

Section Corner
Fnd. or Set.

N 88° 24' 25" E, 2,635.36

WELL LOCATION
Set: 5/8" Iron Pin
Approx. Elev. = 7640±

N 1° 35' 35" W, 356.89

SE 1/4 NW 1/4

S 89° 43' 28" N, 554.16

344.42

C 1/4 Corner
Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
Blazed 2 New B.T.s
See Detail @ Lt.

N 88° 24' 25" E, 2,658.89

Approx. Sect. Line

E 1/4 Corner
Fnd: Mound of Stone & 1 Orig. B.T.
Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
See Detail @ Lt.

N 0° 03' 00" W, 2,751.41

* - BASIS OF BEARINGS =
N 0° 03' W from orig.
1879 Survey Plat.

N 0° 16' 32" W, 2,661.95

N 0° 16' 32" W, 2,700.28

70' Well

Mint Tank

F.S. Rd # 124

Hwy to Mint Tank = 1.8 Miles

N 1/4 Corner
 Fnd: Orig. Oak Post & 1 Orig. B.T.
 Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
 Blazed & New B.T.s
 See Detail @ Lt.

NE Section Corner
 Not Fnd. or Set.

2 1
 11 12

Approx. Sect. Line

Approx. Sect. Line



C 1/4 Corner
 Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
 Blazed & New B.T.s
 See Detail @ Lt.

N 88° 24' 25" E, 2,658.89

E 1/4 Corner
 Fnd: Mound of stone & 1 Orig. B.T.
 Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
 See Detail @ Lt.

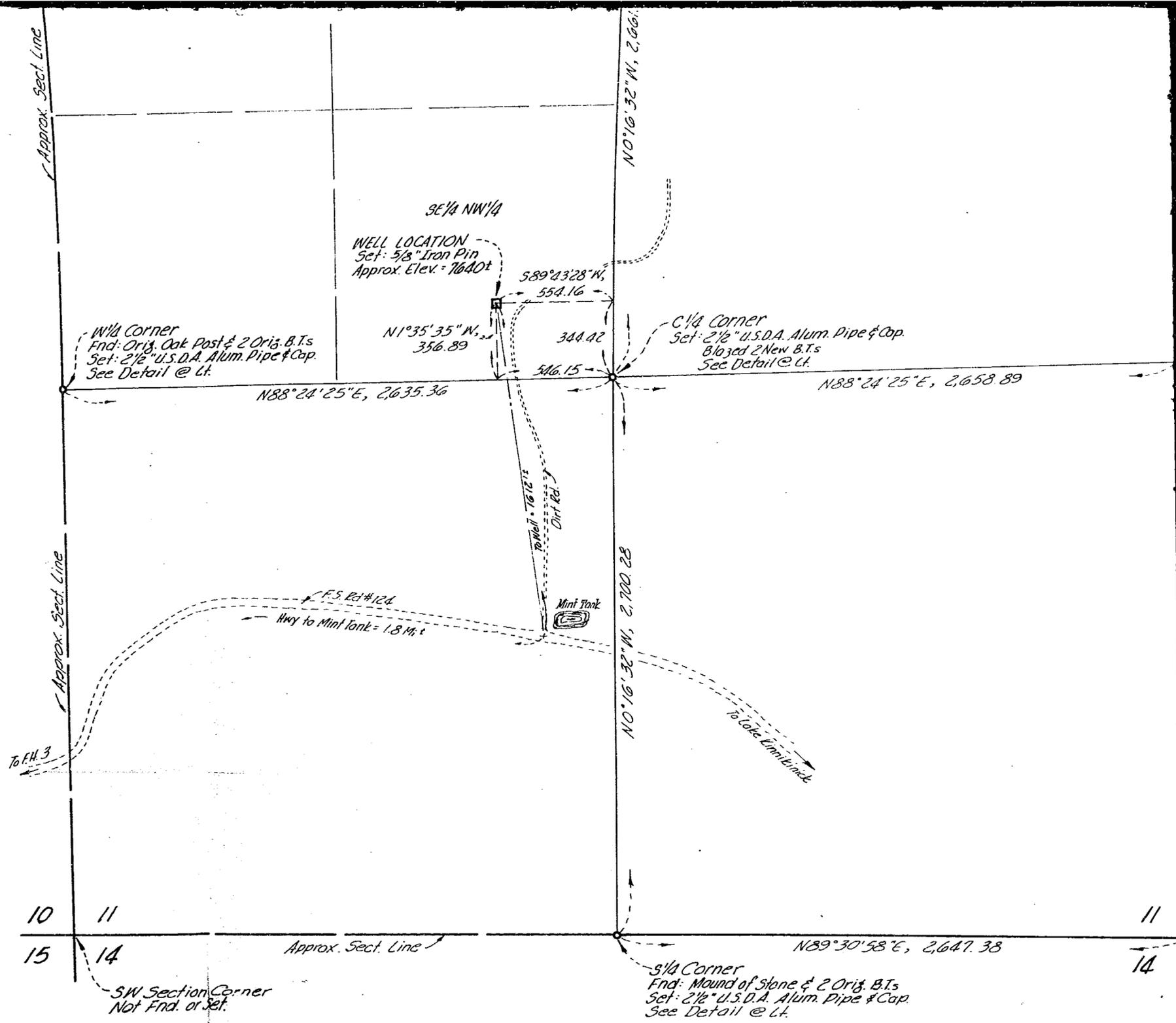
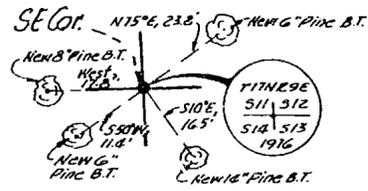
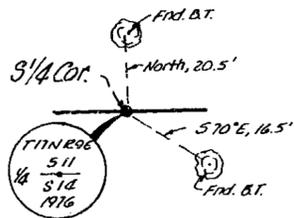
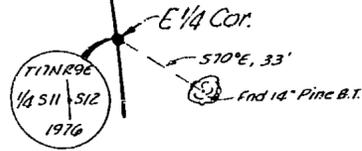
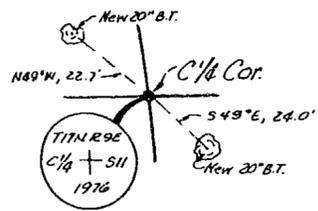
10° W*, 2,751.41

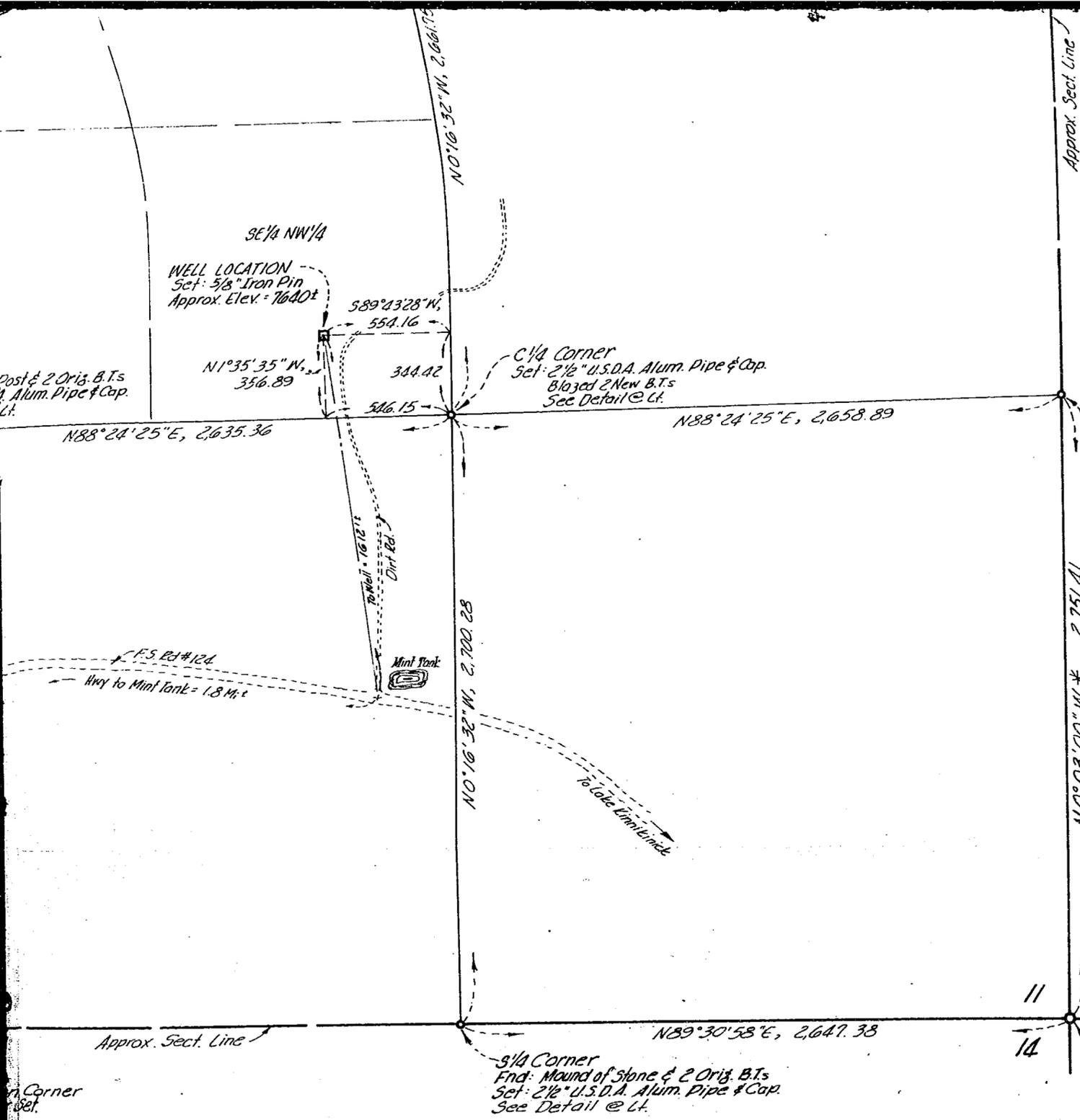
* - BASIS OF BEARINGS -
 N 0° 03' W from Orig.
 1879 Survey Plat.

General Notes:

1. Exterior and interior section lines shown as approximate were not surveyed in the field.
2. The well location shown hereon was set at distances and bearings perpendicular to the mid-section lines.
3. Existing topography and elevations were not part of the survey. The elevation shown at the well site was taken from the "Hutch Mtn." Quadrangle Map, 1965.
4. The location of the roads shown hereon are approximate.
5. All corners set on this survey are stamped: R.L.S. 4321 in addition to other required information stamped on the cap.
6. Not all corners shown on this plat were included in closed traverses. Accordingly, no statement about relative survey accuracy can be made. Distances were measured by EDM equipment and angles were measured with 1 second theodolite.

Industries, Inc. J-117ed
 667





E 1/4 Corner
 End: Mound of Stone & 1 Orig. B.T.
 Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
 See Detail @ Lt.

* - BASIS OF BEARINGS =
 N 0° 03' W from orig.
 1879 Survey Plat.

1. exterior corners were not surveyed in the field.
2. The well location shown hereon was set at distances and bearings perpendicular to the mid-section lines.
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This is to certify that this plat was prepared from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. This does not, however, purport to verify ownership of properties shown on this plat or involved in this survey.

Easements should be determined by owners attorney or other representative.



RECEIVED
 AUG 23 1976
 O & G CONS. COMM.

PLAT OF WELL LOCATION & SURVEY			
the SE 1/4 NW 1/4 of Section 11, Township 17 North, Range 9 East, Gila & Salt River Base & Meridian, Coconino County, Ariz.			
Client: K. & A., Inc.	Date: Aug 76	By: [Signature]	Job# 76
Scale: 1"=400'	Date: Aug 76	By: [Signature]	Map# 51
ARIZONA ENGINEERING CO., Box 999, FLAGSTAFF, AZ, 86001			

1. Exterior and interior section lines shown as approximate were not surveyed in the field.
2. The well location shown hereon was set at distances and bearings perpendicular to the mid-section lines.
3. Existing topography and elevations were not part of the survey. The elevation shown at the well site was taken from the "Hutch Mtn." Quadrangle Map, 1965.
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6. Not all corners shown on this plat were included in closed traverses. Accordingly, no statement about relative survey accuracy can be made. Distances were measured by EDM equipment and angles were measured with 1 second theodolite.

Corner
1/2" U.S.D.A. Alum. Pipe & Cap.
33rd & New B.T.s
See Detail @ Lt.

N88°24'25"E, 2,658.89

Approx. Sect. Line

E 1/4 Corner
End: Mound of Stone & 1 Orig. B.T.
Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
See Detail @ Lt.

* - BASIS OF BEARINGS -
N0°03'W from orig.
1879 Survey Plat.

N0°03'00"W*, 2,751.41

To Lake Limit

11 12
14 13

N89°30'58"E, 2,647.38

Corner
Mound of Stone & 2 Orig. B.T.s
1/2" U.S.D.A. Alum. Pipe & Cap.
See Detail @ Lt.

SE Section Corner
End: Orig. Oak Post.
Set: 2 1/2" U.S.D.A. Alum. Pipe & Cap.
Blazed & New B.T.s
See Detail @ Lt.

This is to certify that this plat was prepared from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. This does not, however, purport to verify ownership of properties shown on this plat or involved in this survey.

Easements should be determined by owners attorney or other representative.



RECEIVED
AUG 23 1976
O & G CONS. COMM.

PLAT OF WELL LOCATION & SURVEY IN:	
the SE 1/4 NW 1/4 of Section 11, Township 17 North, Range 9 East, Gila & Salt River Base & Meridian, Coconino County, Ariz.	
Client: K. & A., Inc.	Job# 76112
Scale: 1"=400'	Date: Aug 16 By: [Signature] Ckd: [Signature] Map# 512
ARIZONA ENGINEERING CO., Box 999, FLAGSTAFF, AZ, 86001	

Industries, Inc. J-117ed.
667



GEOLOGICAL REPORT

WICHITA INDUSTRIES, INC.

Federal #1-11
Section 11, T 17 N, R 9 E
2089' FWL, 2305' FNL
Coconino County, Arizona

Geologist:

Robert L. Schulz
Kittredge, Colorado

6607

TABLE OF CONTENTS

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RESUME

OPERATOR: Wichita Industries, Inc.

WELL NAME & NUMBER: Federal #1-11

LOCATION: T 17 N, R 9 E, Sec. 11, S/2 of the
NW/4, 2089.2' FWL, 2304.86' FNL

AREA: 4 miles south of Mormon Lake

COUNTY: Coconino

STATE: Arizona

ELEVATION: 7640' GL. 7652' KB.

ENGINEER: Ray Hargrove

GEOLOGIST: Robert Schulz

SPUD DATA: September 1, 1976

COMPLETION DATE: September 30, 1976

HOLE SIZE: 12 $\frac{1}{4}$ " to 835' 6 1/8" 3970' to TD
8 1/8" to 3970'

CASING: 9 5/8" to 808', 7" to 3964"

CEMENTING: Halliburton

CONTRACTOR: Signal Oilfield Service

EQUIPMENT: Rig #20

TOOLPUSHER: Charlie Jesser, Richard Durette

DRILLERS: Craven, Forsythe, Harrison, McCarty

DRAWWORKS: Emsco

DERRICK: Ideco

(Resume cont'd)

PUMP: Emsco 500 16"
FXK 14"

DRILL COLLARS: 6 - 6 1/8"
15 - 5 3/4"

DRILL PIPE: 4 1/2", 2 7/8"

MUD TYPE: Gel Water

MUD ENGINEER: Barry O'Meara

MUD LOGGING: Monaco Engineering, Inc.

TYPE UNIT: One man mudlogging and geology

ENGINEER: Robert Schulz

CORES:

<u>Company</u>	<u>Formation</u>	<u>Interval</u>
Christensen	Devonian	4162-4188

ELECTRIC LOGS: Schlumberger

TYPE LOGS: Neutron - Formation Density 400'-3932'
Dual Induction- Laterlog 400'-3932'
Neutron - Formation Density 3800'-4174'
Dual Induction- Laterlog 3969'-4174'

ENGINEER: Marchetti

TOTAL DEPTH: 4188' driller; 4174' logger

DRILLING TIME: 30 days

BOTTOM FORMATION: Martin-Devonian

WELL STATUS: D&A

ADDITIONAL COMMENTS: Sample quality good surface - 360'
Drilling with no returns - 360'-835'
Sample quality good - 835' - T.D.

SUMMARY AND CONCLUSIONS

The Wichita Industries, Inc. Federal #1-11 was spudded on September 1, 1976 and drilled to a total depth of 4188' on September 30, 1976. The well spudded in Tertiary volcanics and penetrated the Devonian Martin formation. The primary objective was the porous dolomite reef of the Martin formation.

No evidence of staining, cut or oil shows were encountered while drilling. A minor amount of methane in the Fort Apache member of the Supai formation was the only gas show found.

The decision to core a section of the Devonian - Martin formation resulted in 22' of core. Again, there were no shows or porosity found in the core samples. While coring, the well was producing 50 - 75 barrels of fresh water per hour. The combination of this significant amount of water with no shows resulted in the decision to discontinue drilling, and the subsequent decision to plug and abandon the well was made in accordance with State and Federal regulations.

FORMATION TOPS

Surface Elevation = 7640'

<u>Tops</u>	<u>Depth from Surface</u>	<u>Sub Sea</u> (+ or -)
TERTIARY VOLCANICS	Surface	+ 7640'
PERMIAN		
Kaibab	804'	+ 6836'
Coconino	1188'	+ 6452'
Supai	1768'	+ 5872'
Fort Apache	2550'	+ 5090'
PENNSYLVANIAN		
Naco	3470'	+ 4170'
Molas	Absent?	
MISSISSIPPIAN		
Redwall	3818'	+ 3822'
DEVONIAN		
Martin	3922'	+ 3718'
TOTAL DEPTH	4188'	+ 3452'

Schlumberger

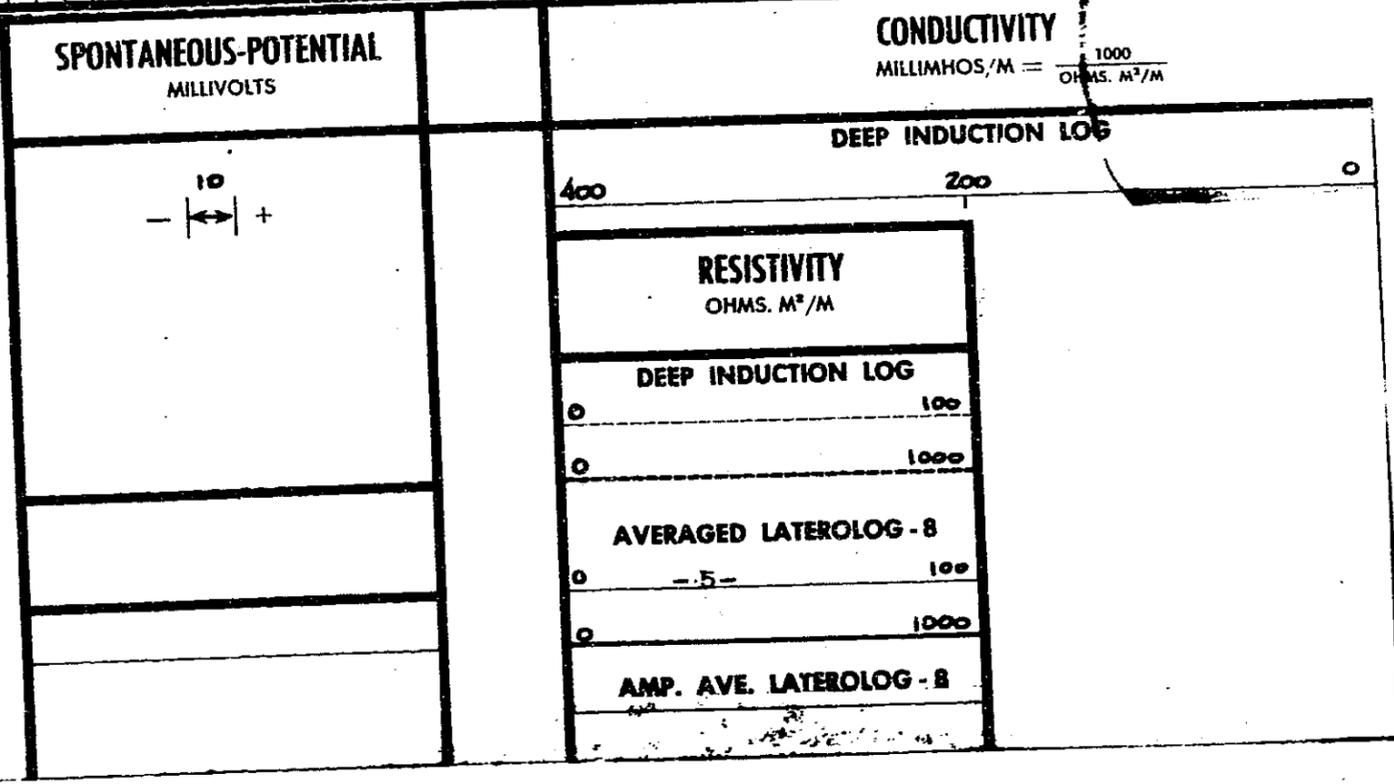
DUAL INDUCTION - LATEROLOG
WITH LINEAR CORRELATION LOG

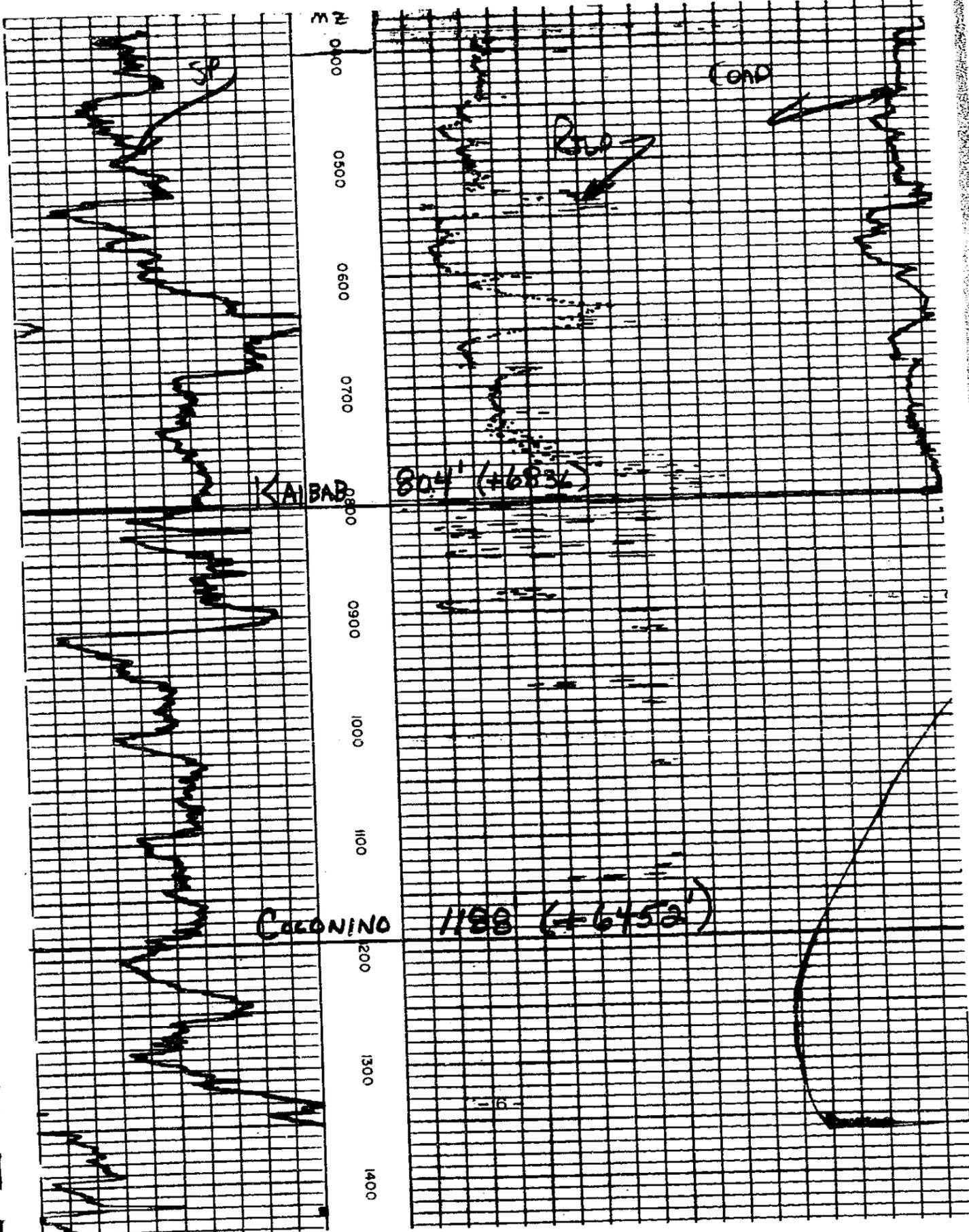
COUNTY _____
FIELD or LOCATION _____
WELL _____
COMPANY _____

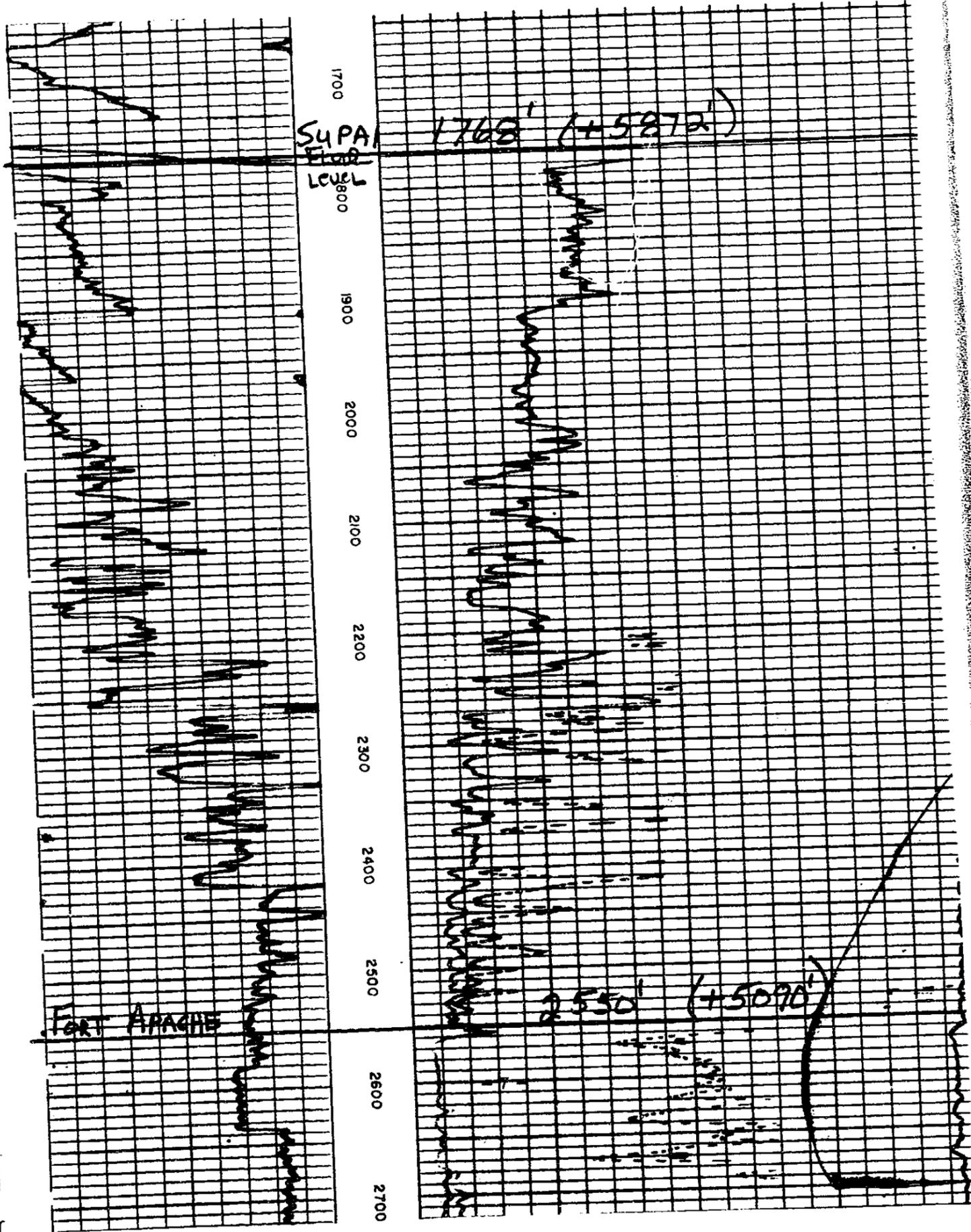
COMPANY WICHITA INDUSTRIES INC.
WELL FEDERAL 1-11
FIELD ULUCAT
COUNTY COCONINO STATE ARIZONA
Location: API Serial No. _____
2089 FUL 2805 FUL
Sec. 11 Twp. 17N Rge. 9E
Other Services: FOR-CAL-62
Elev.: 7640
Elev.: K.B. 7652
D.F. _____
G.L. 7640

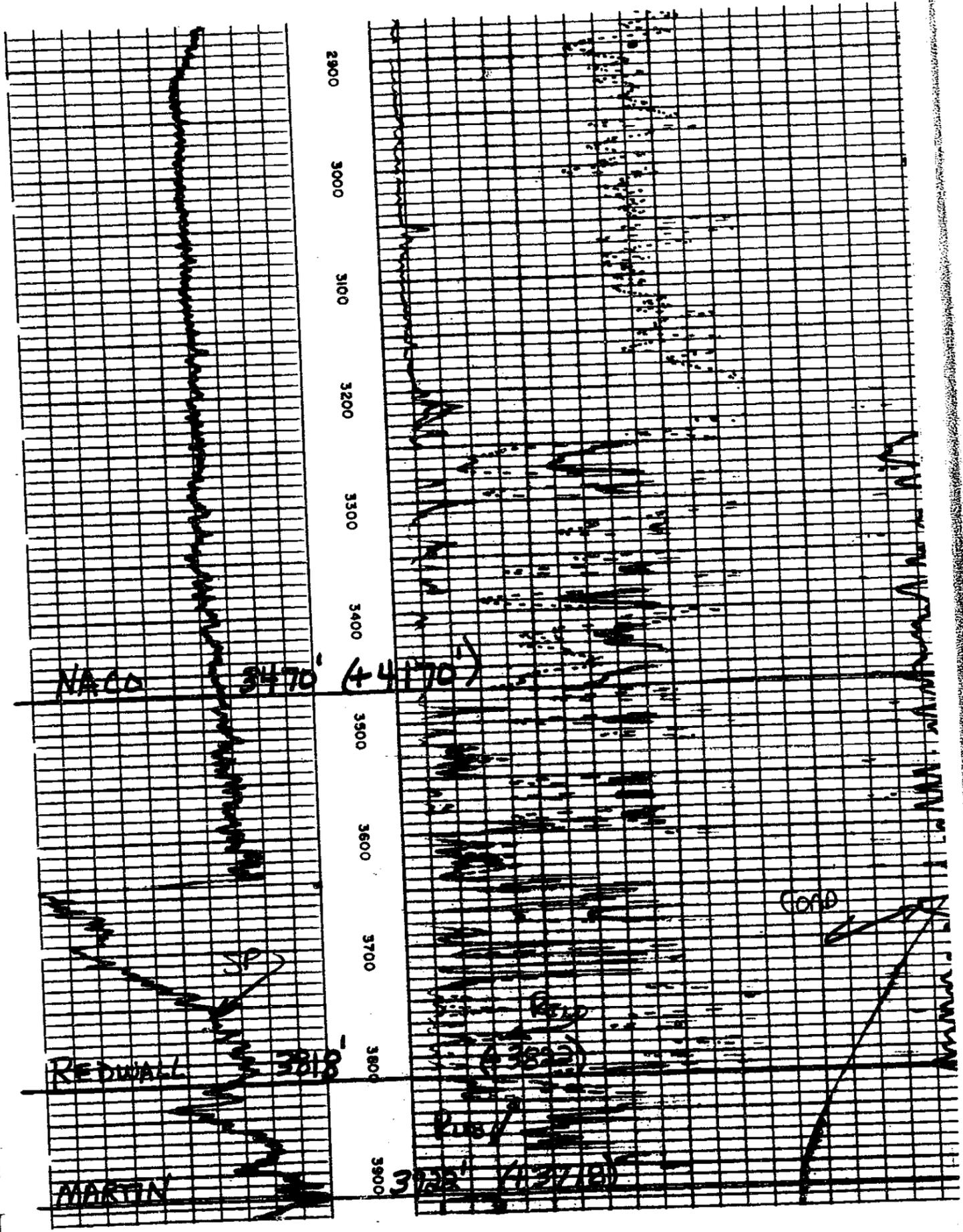
Permanent Datum: GL Elev.: 7640
Log Measured From KB _____ Ft. Above Perm. Datum
Drilling Measured From _____

Date	<u>9. - 76</u>		
Run No.	<u>ONE</u>		
Depth-Driller	<u>3910</u>		
Depth-Logger	<u>3932</u>		
Blm. Log Interval	<u>3926</u>		
Top Log Interval	<u>400</u>		
Casing-Driller	<u>13 5/8 @ 406</u>		
Casing-Logger			
Bit Size	<u>8 3/4</u>		
Type Fluid in Hole	<u>FRESH WATER</u>		
Fluid Level	<u>1500</u>		
Dens. Vic.	<u>8.7</u>		
pH	<u>5.0</u>		
Source of Sample			
Rm @ Meas. Temp.			
Rmf @ Meas. Temp.			
Rmc @ Meas. Temp.			
Source: Rmf Rmc			
Rm @ BHT			
Time Since Circ.			
Max. Rec. Temp.	<u>95</u>		
Equip. Location	<u>5616 GARMINSTON</u>		
Recorded By	<u>MARCHETTI</u>		
Witnessed By	<u>W. W. W. W.</u>		









VISUAL CORE INSPECTION

Core #1 4162'- 4188' (Lost 4')

4162'- 4165.5' (3.5')

DOL, PK, BF, MAR, FXL, DNS,
FIRM- HD, SLI ARG, INTXL CALC,
FRACT.

4165.5'- 4166.2' (0.7')

LS, WH, F- MXL, DNS, FIRM- HD,
MIC

4166.2'- 4168.7' (2.5')

LS, PK, LT RED, FXL, FIRM- HD,
DNS, INTXL CALC

4168.7'- 4172.2 (3.5')

LS, WH, BF, VF- FXL, DNS, HD, MIC

4172.2'- 4173.7' (1.3')

LS PK, FXL, DNS, FIRM- HD

4173.7'- 4176.0' (2.3')

LS WH, BF, MIC, AA

4176.0'- 4178.0' (2.0')

DOL, PK, MAR, PUR, F- MXL, DNS,
HD, INTXL CALC

4178.0'- 4184.0' (6.0')

LS WH, BF, FXL, FIRM, DNS, MIC,
FRACT, FE STN, INTXL CALC,
CALC VEINS

WICHITA INDUSTRIES, INC.
UNITED BANK CENTER
SUITE 1215
1700 BROADWAY
DENVER, COLORADO 80202
303-534-2140

BY CORE LAB
Farmington, New Mexico
CORE #1-11
COCONINO COUNTY, ARIZONA

23' all perm. less than .01 md

<u>DEPTH</u>	<u>POROSITY</u>
4162-4163	12.9%
4163-4164	17.6
4164-4165	6.3
4165-4166	21.9
4166-4167	13.3
4167-4168	21.0
4168-4169	22.1
4169-4170	21.3
4170-4171	25.1
4171-4172	26.1
4172-4173	30.9
4173-4174	25.1
4174-4175	7.5
4175-4176	12.6
4176-4177	11.3
4177-4178	17.4
4178-4179	19.2
4179-4180	14.3
4180-4181	30.2
4181-4182	27.2
4182-4183	26.4
4183-4184	28.8
4184-4185	21.2

DAILY DRILLING CHRONOLOGY

<u>Date</u>	<u>Footage</u>		
8/31/76	0	8:00 a. m.	Rigging up and fishing.
9/1/76	0	8:00 a. m.	Drilling and reaming.
9/2/76	59	8:00 a. m.	Set conductor pipe to 39 feet, nipple up, cement conductor pipe, drilling.
9/3/76	72	8:00 a. m.	Service rig, drilling, trip, drilling.
9/4/76	134	8:00 a. m.	Service rig, drilling, trip for Bit #3, drilling, trip-take off hammer, drilling.
9/5/76	157	8:00 a. m.	Service rig, drilling.
9/6/76	193	8:00 a. m.	Drilling, service rig, drilling, trip out and in, drilling, try to regain circulation, trip out-lay down STB.
9/7/76	358	8:00 a. m.	Trip in hole, try to regain circulation, drilling and reaming, trip out and in, drilling and reaming.
9/8/76	457	8:00 a. m.	Trip for Bit #5, service rig, drilling and reaming.
9/9/76	707	8:00 a. m.	Drilling, reaming, survey, trip for Bit #6, reaming.
9/10/76	835	8:00 a. m.	Reaming, pull 35 STDS - mix mud, reaming, condition hole, plug bit, trip out to run pipe, run 40 JTS 9 5/8" CSG, set at 808', plug down 9:00 p. m., wait on cement, weld on B-head.
9/11/76	835	8:00 a. m.	Nipple up, pressure up 1000 Lbs., drilling and drying up hole, survey, drilling.
9/12/76	1392	8:00 a. m.	Drilling, service rig, work pipe, wait on master drum clutch, repair clutch, work pipe, wait on free point truck
9/13/76	1424	8:00 a. m.	Wait on free point truck, rig up free point, run free point, back off, start out of hole, put goose neck and kelly hose on swivel, repair air lines on drum clutch, pick up wash pipe and going in hole.

DAILY DRILLING CHRONOLOGY cont'd

<u>Date</u>	<u>Footage</u>		
9/14/76	1424	8:00 a. m.	Washing, twist off wash pipe, trip out, leave 4 joints wash pipe in hole, pick up fishing tools and go in hole, catch fish, trip out, go in hole with wash pipe, washing over, blowing hole, pick up jars and go in hole.
9/15/76	1424	8:00 a. m.	Screw into fish, chain out of hole, measure and calculate D. C. & D. P. in hole, blowing hole, drilling, lost returns-tite hole, work pipe, blow hole, drilling.
9/16/76	1639	8:00 a. m.	Drilling, service rig, drilling, pull 6 STDS and regaining circulation, survey, blowing hole, drilling - try to get circulation.
9/17/76	2187	8:00 a. m.	Service rig, try to regain circulation, pull 20 stands, pull up into casing to mud up, trip out of hole, nipple up, mud up, pump mud and LCM in hole, no returns.
9/18/76	2187	8:00 a. m.	Mixing mud and LCM, no returns, trip in to 2061' and trip out, mix mud, finish going in hole, washing hole, condition mud, waiting on Halliburton.
9/19/76	2187	8:00 a. m.	Service rig, wait on Halliburton, cement ran 100 sacks at 2140', plug down 3:45 p. m. , pulled 10 stands, wait on cement, blowing hole, trip out, trip in hole with bit, clean to bottom, trip out to put on rotating head, nipple up head, trip in hole.
9/20/76	2187	8:00 a. m.	Trip in hole, drilling, service rig, drilling.
9/21/76	2875	8:00 a. m.	Rig service, drilling, survey, drilling.
9/22/76	3465	8:00 a. m.	Rig service, drilling, circulate, trip out to mud up, nipple up, trip in hole with new Bit #8 at 3521', pump mud in hole, try to regain circulation, mixing mud and LCM, pumping mud in hole, trip out of hole, mix mud and LCM, pump mud in hole, mix mud and LCM.

DAILY DRILLING CHRONOLOGY cont'd

<u>Date</u>	<u>Footage</u>		
9/23/76	3521	8:00 a. m.	Service rig, mix mud and LCM, circulate, go in hole and drill bridges, pump mud in hole, trip out of hole, blowing hole dry, drilling.
9/24/76	3591	8:00 a. m.	Drilling.
9/25/76	3886	8:00 a. m.	Drilling, pump mud down hole, trip out of hole, rig up Schlumberger, trying to log, log did not go, rig down Schlumberger, trip in hole to 3690' and drill bridge, plug bit, trip out, go in hole and drill bridges, trip out to log.
9/26/76	3970	8:00 a. m.	Work pipe, short trip, logging, rig down Schlumberger, go in hole and drill bridges and blow hole, pull out of hole and lay down D. C. , run casing, set 7" casing to 3964', wait on cement.
9/27/76	3970	8:00 a. m.	Set slips, cut off pipe, nipple up, lay down pipe, picking up tools to run 2 7/8" drill pipe, changing pipe rams, strapping 2 7/8" pipe, pick up D. C. 's and D. P. and blowing hole.
9/28/76	3970	8:00 a. m.	Drilling cement, blowing hole, drilling, trip with plugged bit, drilling.
9/29/76	4038	8:00 a. m.	Drilling, service rig, drilling.
9/30/76	4142	8:00 a. m.	Drilling, trip to pick up core barrel, coring 4162 - 4188', coming out of hole with 22' core after jam, lay down core, rig up Schlumberger, logging.
10/1/76	4188	8:00 a. m.	Lay down collars, go in hole with D. P. , waiting on orders.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>IN</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HRS.</u>
1	SEC	M4N	14 3/4"	0	39	39'	
2	SEC	S88	12 1/4"	39	144	105'	57
3	SEC	H7SG	12 1/4"	144	354	214'	47 1/2
4	SEC	H7SG	12 1/4"	354	458	104'	9 1/4
5	SEC	M4NGJ	12 1/4"	458	835	377'	27 1/2
6	SEC	M4NG	12 1/4"	835	835	0'	
7	STC	F4	8 3/4"	835	3521	2686'	84 1/2
8	SEC	S88	8 3/4"	3521	3970	449'	34
9	SEC	S88F	6 1/8"	3970	4162	192'	39 3/4

MUD RECORD: Mudded up at 835' on September 10, 1976

Date	Depth	Wt.	F. Vis.	P. Vis	Yield	gel	stmt.	pH	filtr.	ck.	alka.	salt	chlo.	calcium	gyp./sand%	%/Wtr.	Cum. Cost
9/10/76	835	8.4	60				ATTEMPT TO PUMP HOLE CLEAN										193.75
9/18/76	2187	8.7	60			10	MUD UP TO SEAL OF COCONINO										4454.09
9/19/76	2187	8.6	50														6772.14
9/23/76	3521						ATTEMPT TO CONVERT TO MUD TO PREVENT BREAKING DOWN FORMATION										10,798.69
9/25/76	3970	8.6	45				ATTEMPT TO PUMP HOLE CLEAN										10,923.69
10/3/76	4188						PLUGGING WELL										11,912.39
10/3/76	4188						PLUGGING WELL										12,480.09

DRILLING FUNCTIONS

<u>DEPTH</u>	<u>W. O. B.</u>	<u>R. P. M.</u>	<u>P. P.</u>	<u>DEVIATION</u>
0	ALL	100	220	(Drlg. w/ Air-Mist)
60	ALL	25	220	
145	ALL	75	220	
413	ALL	80	220	
620	35 M	80	220	
695				1°
835	35 M	45	220	
1335				2°
1423	10 M	40	220	
1451	15 M	45	220	
1675				3½°
2061	10/15 M	45	220	
2188	30 M	45	220	
2629	20 M	45	220	
2910				1¼°
3760	15 M	40	220	
3972	6 M	28	220	
4162	12 M	48	220	

PENETRATION RATE/TIME REPORT

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
8/31/76	Rigging up and fishing.	0	0
9 1/76	Drilling and reaming.	0	0
9/2/76	Set conductor pipe to 39 feet, nipple up, cement conductor pipe, drilling.	59	59
9/3/76	Service rig, drilling, trip, drill- ing.	13	72
9/4/76	Service rig, drilling, trip for Bit #3, drilling, trip-take off hammer, drilling.	62	134
9/5/76	Service rig, drilling.	23	157
9/6/76	Drilling, service rig, drilling, trip out and in, drilling, try to regain circulation, trip out-lay down STB.	36	193
9/7/76	Trip in hole, try to regain circula- tion, drilling and reaming, trip out and in, drilling and reaming.	165	358
9/8/76	Trip for Bit #5, service rig, drill- ing and reaming.	99	457
9/9/76	Drilling, reaming, survey, trip for Bit #6, reaming.	250	707
9/10/76	Reaming, pull 35 STDS - mix mud, reaming, condition hole, plug bit, trip out to run pipe, run 40 JTS 9 5/8" CSG, set at 808', plug down 9:00 p. m. , wait on cement, weld on B-head.	128	835
9/11/76	Nipple up, pressure up 1000 Lbs. , drilling and drying up hole, survey, drilling.	0	835
9/12/76	Drilling, service rig, work pipe, wait on master drum clutch, repair clutch, work pipe, wait on free point truck.	557	1392

PENETRATION RATE/TIME REPORT cont'd

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
9/13/76	Wait on free point truck, rig up free point, run free point, back off, start out of hole, put goose neck and kelly hose on swivel, repair air lines on drum clutch, pick up wash pipe and going in hole.	32	1424
9/14/76	Washing, twist off wash pipe, trip out, leave 4 joints wash pipe in hole, pick up fishing tools and go in hole, catch fish, trip out, go in hole with wash pipe, washing over, blowing hole, pick up jars and go in hole.	0	1424
9/15/76	Screw into fish, chain out of hole, measure and calculate D. C. & D. P. in hole, blowing hole, drilling, lost returns-tite hole, work pipe, blow hole, drilling.	0	1424
9/16/76	Drilling, service rig, drilling, pull 6 STDS and regaining circulation, survey, blowing hole, drilling - try to get circulation.	215	1639
9/17/76	Service rig, try to regain circulation, pull 20 stands, pull up into casing to mud up, trip out of hole, nipple up, mud up, pump mud and LCM in hole, no returns.	548	2187
9/18/76	Mixing mud and LCM, no returns, trip in to 2061' and trip out, mix mud, finish going in hole, washing hole, condition mud, waiting on Halliburton.	0	2187
9/19/76	Service rig, wait on Halliburton, cement ran 100 sacks at 2140', plug down 3:45 p. m. , pulled 10 stands, wait on cement, blowing hole, trip out, trip in hole with bit, clean to bottom, trip out to put on rotating head, nipple up head, trip in hole.	0	2187
9/20/76	Trip in hole, drilling, service rig, drilling.	0	2187

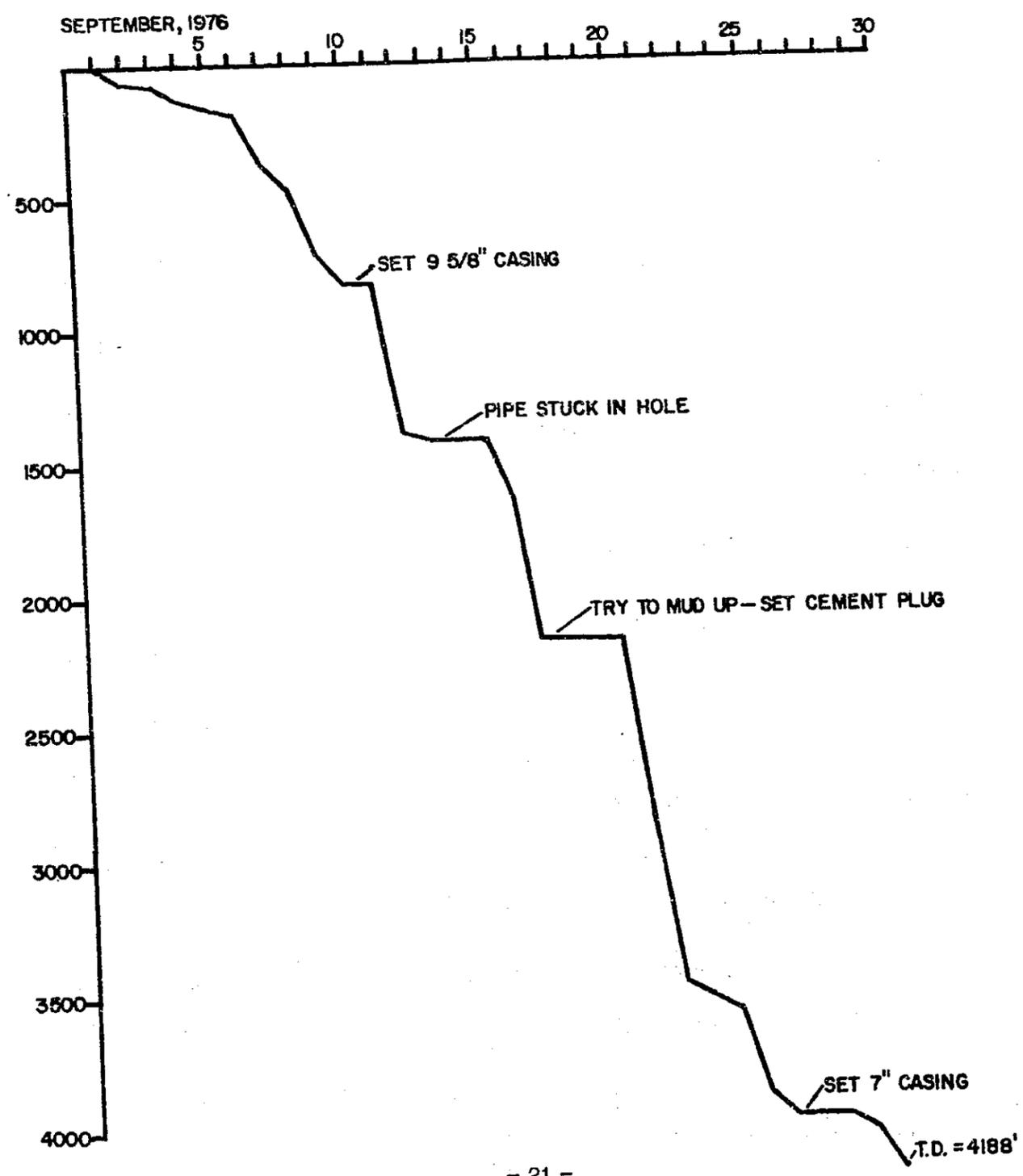
PENETRATION RATE/TIME REPORT cont'd

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
9/21/76	Rig service, drilling, survey, drilling.	688	2875
9/22/76	Rig service, drilling, circulate, trip out to mud up, nipple up, trip in hole with new Bit #8 at 3521', pump mud in hole, try to regain circulation, mixing mud and LCM, pumping mud in hole, trip out of hole, mix mud and LCM, pump mud in hole, mix mud and LCM.	590	3465
9/23/76	Service rig, mix mud and LCM, circulate, go in hole and drill bridges, pump mud in hole, trip out of hole, blowing hole dry, drilling.	56	3521
9/24/76	Drilling.	70	3591
9/25/76	Drilling, pump mud down hole, trip out of hole, rig up Schlumberger, trying to log, log did not go, rig down Schlumberger, trip in hole to 3690' and drill bridge, plug bit, trip out, go in hole and drill bridges, trip out to log.	295	3886
9/26/76	Work pipe, short trip, logging, rig down Schlumberger, go in hole and drill bridges and blow hole, pull out of hole and lay down D. C., run casing, set 7" casing to 3964', wait on cement.	84	3970
9/27/76	Set slips, cut off pipe, nipple up, lay down pipe, picking up tools to run 2 7/8" drill pipe, changing pipe rams, strapping 2 7/8" pipe, pick up D. S. 's and D. P. and blowing hole.	0	3970
9/28/76	Drilling cement, blowing hole, drilling, trip with plugged bit, drilling.	0	3970
9/29/76	Drilling, service rig, drilling.	68	4038

PENETRATION RATE/TIME REPORT cont'd

<u>DATE</u>	<u>RIG ACTIVITY</u>	<u>FOOTAGE 24 HOURS</u>	<u>ACCUM. FOOTAGE</u>
9/30/76	Drilling, trip to pick up core barrel, coring 4162 - 4188', coming out of hole with 22' core after jam, lay down core, rig up Schlumberger, logging.	104	4142
10/1/76	Lay down collars, go in hole with D. P. , waiting on orders.	46	4188

PENETRATION RATE / TIME REPORT



LITHOLOGY

0 - 360:	Basalt, ig, basic, lt gy-dk gy, dk bn, micxl, lse qtz, hd, ves.
360 - 820:	Drilling w/no returns.
820 - 840:	Ls pk, wh, fxl, sli slty, firm, dol, dns, tt w/basalt aa.
840 - 920:	Ls pk, f-mxl, sli slty, firm, dol, dns, tr p-p por w/tr sh gn wxy.
920 - 960:	Ls pk, wh, slty aa w/tr ss orng, VFG, calc, sli fri, tt.
960 - 1000:	Ls pk, wh, bf, f-mxl, mot, slty, firm, dns, tr p-p por w/tr ss wh aa.
1000 - 1020:	Lse qtz, clr, fros, cg, subang-ang w/tr ls aa.
1020 - 1100:	Ls wh, pk, f-mxl, slty, sli sdy, tt, dns w/ss wh, pk, VFG, sub rd, fri, calc
1100 - 1180:	Ls pk, wh, v sdy, aa.
1180 - 1320:	Ss wh, clr, VFG, sub rd - sub ang, uncons, g sort.
1320 - 1420:	Ss clr, lt bn, aa.
1420 - 1440:	Drilling w/no returns.
1440 - 1560:	Ss clr, wh, lt bn, VFG, sub rd, uncons, g sort.
1560 - 1680:	Ss clr, wh, fros, vf-fg aa.
1680 - 1740:	Ss clr, fros, wh, f-mg, sub rd, uncons, g sort.
1740 - 1960:	Ss clr, fros, wh, vf-fg, aa.
1960 - 2040:	Ss clr, fros, wh, f-mg, sub rd, uncons, g sort w/tr ss lt bn, fg, fri, sub ang.
2040 - 2200:	Drilling w/no returns.
2200 - 2240:	Ss red, pk, pur, vf-fg, sub rd-sub ang, calc, firm, fri sli slty.

LITHOLOGY cont'd

2240 - 2300: Ss wh, pk, red, vf-fg, sub rd-sub ang, abnt uncons gr.

2300 - 2400: Ss red, bn aa w/slt red, bn, calc, sdy, mica.

2400 - 2460: Slt red, bn aa w/tr sh gn, sft, wxy w/tr ss red aa.

2460 - 2480: Ss red, vfg, sub ang, uncons.

2480 - 2500: Slt red, bn, sdy, sli calc w/tr ss red, yel, wh, f-mg, sub rd, fri.

2500 - 2520: Ss red, bn, vfg, sub rd, uncons w/tr slt red, bn, aa.

2520 - 2560: Slt red, bn aa w/ss orng yel, wh, vfg, sub rd, fri, calc.

2560 - 2600: Dol gy, lt bn, fxl, slty, lmy, sli mica, tr p-p por, no flor or cut w/tr ls dk gy, fxl, dns, hd.

2600 - 2640: Slt red, bn, sli sdy, mica, sli calc, shy w/tr dol gy, lt bn, aa.

2640 - 2740: Slt red, bn aa w/tr ss lt gy, vfg, firm-hd, sli calc, tt.

2740 - 2800: Slt red, bn aa w/tr ss lt gy, lt gn aa.

2800 - 2840: Slt red, bn, sli sdy & calc, firm, mica.

2840 - 2860: Slt red, bn aa w/tr ss lt gy, bf, lt gn, vfg, fri, sub rd-sub ang w/tr dol pk, vfxl, dns, tt.

2860 - 2900: Slt red, bn, shy aa w/tr ss lt gy, bf, lt gn aa.

2900 - 3040: Slt red, bn, sdy, calc, sli mica, firm w/tr ss lt gy, vfg, fri, sub rd-sub ang.

3040 - 3080: Slt red, bn sli sdy & calc w/tr ss lt gy aa.

3080 - 3100: Slt red, bn, shy aa.

3100 - 3120: Slt, red, bn, sdy, sli arg w/tr sh gn, wxy, sft.

3120 - 3210: Slt red, bn, aa w/tr ss gn, vfg, fri.

LITHOLOGY cont'd

3210 - 3280: Slt red, bn, shy, aa w/ss gn, wh, aa w/tr ls wh, orng, cong, v shy w/lse qtz, clr, orng, sub ang.

3280 - 3310: Slt red, bn aa w/tr sh, gn, wxy, sft w/tr cht, bf, v hd w/tr dol bf, vfxl, hd, dns, dull yel min flor, no cut.

3310 - 3340: Sh bn, slty, sli arg, sft-firm.

3340 - 3400: Sh bn aa w/tr dol bf, pk, vfxl, dns, hd.

3400 - 3420: Sh bn aa w/tr sh gn, wxy, sft, sli slty.

3420 - 3460: Sh bn aa w/tr ls wh fxl, hd, dns w/slt red, bn, shy, sli sd & arg.

3460 - 3480: Sh bn, slty, sli arg, sft-firm w/slt red, bn aa w/ls wh, bf aa.

3480 - 3500: Ls wh, bf, lt gy, f-mxl, dns, hd w/slt bn aa w/sh bn aa.

3500 - 3530: Sh bn, aa w/ls wh, bf lt gy aa.

3530 - 3560: Sh bn aa w/tr sh gn, wxy, sft w/tr ls wh, bf aa.

3560 - 3590: Sh bn aa w/tr ls bf, wh, pk aa.

3590 - 3620: Sh bn aa w/tr ls bf, wh, pk aa w/tr ss wh, vf-fg, calc, sub ang, fri.

3620 - 3640: Ss wh, aa w/sh bn aa w/tr ls bf, wh aa.

3640 - 3680: Ss wh aa w/sh bn aa w/sh gn, wxy, sft.

3680 - 3690: Drlg w/no returns.

3690 - 3700: Ss wh vf-fg, sub ang, uncons.

3700 - 3710: Ss wh, bf vf-fg, sub ang, calc, fri w/sh bn, slty, sli arg, sft-firm, calc.

3710 - 3720: Drlg w/no returns.

3720 - 3730: Ss wh, bf aa w/sh bn aa w/tr ls pur, fxl, dns, hd.

3730 - 3750: Ss wh, bf, aa w/sh bn aa w/ls pur, gy, bf aa w/tr sh gn, wxy, sft.

3750 - 3790: Drlg w/no returns.

LITHOLOGY cont'd

3790 - 3810: Sh bn aa w/tr ls wh aa w/tr ss wh, bf aa.

3810 - 3840: Ss wh, lt bn, vfg, sub ang, uncons.

3840 - 3910: Ls wh, fxl, dns, firm-hd w/tr ls gy, fxl, dns, hd.

3910 - 3920: Ls wh aa w/ls yel, fxl, sdy, hd w/tr cht, wh, yel, v hd.

3920 - 3930: Ls wh aa w/tr cht, wh, yel, orng aa w/tr ls pk, vfxl, sli slty, dns, firm-hd.

3930 - 3940: Ss pk, wh, vfg, sub rd, uncons.

3940 - 3970: Drilling w/no returns.

3970 - 4000: Volc, ig, blk, firm-hd, sli fol w/ls pk, wh, fxl, dns, hd, dull yel min flor, no cut w/lse qtz, clr, fros, cg, sub ang-rd.

4000 - 4010: Ls wh, pk, gy, sli slty, aa w/lse qtz aa w/tr volc aa.

4010 - 4020: Volc blk, fe stn, aa w/tr ls wh, bf aa w/tr l se qtz aa.

4020 - 4030: Dol wh, bf, pk, fxl, dns, hd, sli slty, suc w/tr volc aa w/tr lse qtz aa.

4030 - 4060: Dol bf, pk, yel aa w/tr sh gy, sft w/tr lse qtz, clr, fros, rd-sub rd, cg.

4060 - 4080: Dol bf, pk, yel, tan, aa w/tr ss wh, fg, sub rd, calc, fri, fe stn w/tr lse qtz aa.

4080 - 4090: Abnt lse qtz, clr, fros, cg, sub rd-rd w/dol bf, pk, yel aa w/ss wh, pk, red, fg, fe stn.

4090 - 4110: Dol bf, pk, yel aa w/lse qtz aa.

4110 - 4120: Dol pk, bf, fxl, suc, dns, sli slty, firm-hd w/ls tan, bf, f-mxl, dns, hd w/abnt lse qtz aa w/tr sh gy, sft, sli arg.

4120 - 4160: Abnt lse qtz aa w/dol pk, bf aa w/tr ls pk, pur, v hd, aa.

4160 - 4188: Ls wh, bf, vf-fxl, dns, firm-hd, mic, fract, intxl calc, calc veins w/dol pk, mar, pur, fxl, dns, firm-hd, sli arg, intxl calc, fract.



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

December 9, 1996

Mr. Michael Linden
US Forest Service
517 Gold Avenue SW
Albuquerque, NM 87102

file 667

Dear Mike:

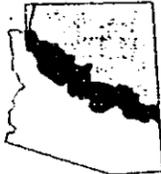
Several of the items about the Wichita oil test near Mormon Lake that we talked about this morning are enclosed. These include the completion report, AmStrat's notes about oil shows in the well, and a couple of maps showing the well location and some of the wells with reported oil shows in the general area.

Let me know if we may be of further assistance.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures



Fife Symington
Governor

State of Arizona
Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795

Larry D. Fellows
Director and State Geologist

February 3, 1992

PIN 667

Mr. Jim Sorgatz
5931 West Banff
Glendale, Arizona 85306

Dear Mr. Sorgatz:

Enclosed is the information you requested this morning, copies of the formation tops and the lithological summary for the Wichita Industries well in 17N-9E Sec 11.

Let me know if I might be able to provide additional information.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
1645 WEST JEFFERSON, SUITE 420
PHOENIX, ARIZONA 85007
PHONE: (602) 255-5161

January 7, 1985

Ms. Susan Treece
Wichita Industries, Inc.
City Center 4, Suite 4500
1801 California
Denver, CO 80202

RE: Blanket Bond No. 335B7095
Permits 661 and 667

Dear Ms. Treece:

This is in response to your letter of December 19, 1984 requesting release of subject bond.

All Commission rules and regulations pertaining to wells drilled by Wichita Industries have been complied with, and approval is hereby granted to release the bond.

If I may be of further assistance, please advise.

Sincerely,

R. A. Ybarra
R. A. Ybarra
Enforcement Director

/kb

WICHITA INDUSTRIES, INC.
CITY CENTER 4 • SUITE 4500
1801 CALIFORNIA • DENVER, COLORADO 80202
13031 293-8167

RECEIVED
DEC 21 1984
O & G CONS. COMM.

*AKS
RAY*

December 19, 1984

Oil and Gas Conservation Commission
1645 W. Jefferson, Suite 420
Phoenix, Arizona 85007

Re: Bond # 335B7095
\$25,000 Blanket Bond

Gentlemen:

Wichita Industries, Inc. wishes to cancel the captioned bond effective 1/1/85. We do not operate any wells in Arizona nor do we have any plans to do so in the near future. Your approval of the cancellation would be appreciated.

Sincerely,

Susan Treece

Susan Treece
Vice President/Land

cc: Barnard Insurance Agency
Tommy Stone

ST:mr



OIL & GAS PROPERTY MANAGEMENT

3430 ENTEX BLDG. . 1200 MILAM ST. . HOUSTON, TEXAS 77002 . AREA 713/227-1537 . CABLE: KEPPEL TELEX: 762-324

August 31, 1976

RECEIVED

SEP 8 1976

O & G CONS. COMM.

Oil & Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

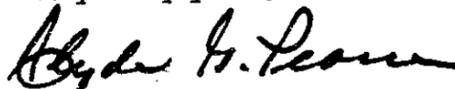
Attention: William E. Allen

Dear Mr. Allen:

The Blanket Surety Bond number which you requested on August 25, 1976
for Wichita Industries, Inc., is 335-B-7095.

If I can be of further service, please advise.

Very truly yours,


Clyde G. Pearce

CGP:ml

BOND

KNOW ALL MEN BY THESE PRESENTS

Bond No. 335-B-7095

That we: Wichita Industries, Inc.

of the County of: WICHITA in the State of: Texas

as Principal, and The Travelers Indemnity Company

of Hartford, Connecticut
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

Blanket Bond
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A. R. S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Twenty-Five Thousand and No/100 ----- (\$25,000.00)

Witness our hands and seals, this 5th day of March, 1976

ARIZONA COMMISSIONER SIGNATURE	<u>Wichita Industries, Inc.</u>
<u>W. J. Shedd, Jr.</u> RESIDENT AGENT	<u>[Signature]</u> ASST. SECRETARY
	<u>[Signature]</u> PRESIDENT/Principal

Witness our hands and seals, this 5th day of March, 1976

The Travelers Indemnity Company
[Signature]
Deborah Dobbs, Attorney-in-Fact Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved _____
Date _____

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

The Travelers Indemnity Company

Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

_____ M. J. Boetel, Maxine Cotton, Deborah Dobbs, Cathy Franklin, Allan C. Pape, Kenneth E. Roy, Albert F. Topham, Daniel L. Wolfe, all of Dallas, Texas and William E. Bullock, Samuel C. Smith, Mary West, all of Lubbock, Texas, EACH _____

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof, as follows:

_____ Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof _____

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 13. The Chairman of the Board, the President, the Chairman of the Finance Committee, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 15. Any bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, any Executive Vice President, any Senior Vice President, any Vice President or any Second Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary or when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, any Executive Vice President, any Senior Vice President, any Vice President or any Second Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

_____ This power of attorney revokes that dated February 10, 1975 on behalf of M. J. Boetel, Maxine Cotton, Deborah Dobbs, Robert E. McManus, Allan C. Pape, Kenneth E. Roy, Albert F. Topham, Daniel L. Wolfe, all of Dallas, Texas and William E. Bullock, Samuel C. Smith, Mary West, all of Lubbock, Texas _____

IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 11th day of June 1975.

THE TRAVELERS INDEMNITY COMPANY

By

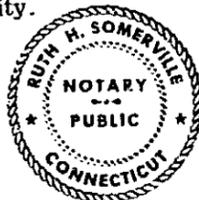


Secretary, Surety



State of Connecticut, County of Hartford—ss:

On this 11th day of June in the year 1975 before me personally came D. J. Nash to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Ruth H. Somerville

Notary Public

My commission expires April 1, 1979

The Travelers Indemnity Company

Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

_____ M. J. Boetel, Maxine Cotton, Deborah Dobbs, Cathy Franklin, Allan C. Pape, Kenneth E. Roy, Albert F. Topham, Daniel L. Wolfe, all of Dallas, Texas and William E. Bullock, Samuel C. Smith, Mary West, all of Lubbock, Texas, EACH _____

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof, as follows:

_____ Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof _____

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 13. The Chairman of the Board, the President, the Chairman of the Finance Committee, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

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VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

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THE TRAVELERS INDEMNITY COMPANY

By

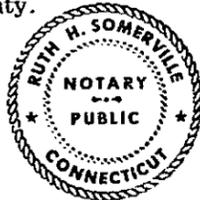


Secretary, Surety



State of Connecticut, County of Hartford—ss:

On this 11th day of June in the year 1975 before me personally came D. J. Nash to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Ruth H. Somerville

Notary Public

My commission expires April 1, 1979

CERTIFICATION

I, John H. Hanks, Assistant Secretary (Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 13. and 15. of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been abridged or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this 5th day of March 19 76 .



John H. Hanks
Assistant Secretary, Surety

S-1869 (BACK)



OIL & GAS PROPERTY MANAGEMENT

3430 ENTEX BLDG. . 1200 MILAM ST. . HOUSTON, TEXAS 77002 . AREA 713/227-1537 . CABLE: KEPPEL TELEX: 762-324

February 19, 1976

State of Arizona
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Gentlemen:

Please find attached a completed Organization Report (Form 1)
for Wichita Industries, Inc.

Very truly yours,

K & A, INC.

W. R. Brinkoeter
W. R. Brinkoeter

WRB:dlh
Attachment

cc: B. L. Bryans, Jr.
P. O. Box 1110
Wichita Falls, Texas 76307

RECEIVED

FEB 23 1976

O & G CONS. COMM.

669

ORGANIZATION REPORT

Full Name of Company, Organization, or Individual

Wichita Industries, Inc.

Post Office Address (Box or Street Address)

P.O. Box 1110, Wichita Falls, Texas 76307

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

Corporation

Purpose of Organization (State type of business in which engaged)

Crude Oil and Natural Gas Production

If a reorganization, give name and address of previous organization.

If a foreign corporation, give (1) State where incorporated	(2) Name and post office address of state agent	(3) Date of permit to do business in state
Virginia	C.T. Corporation System 14 North 18th Avenue Phoenix, Arizona 85007	December 26, 1974
Principal Officers or Partners (if partnership)	TITLE	POST OFFICE ADDRESS
Stuart M. Berkman	Chairman of the Board and President	29 Broadway New York, New York 10006
Elmore A. Willets, Jr.	Executive Vice-President	1603 Investment Building Pittsburgh, Pennsylvania 15222
Howard Nelson	Vice-President	29 Broadway New York, New York 10006
Leonard A. Farris, Jr.	Vice-President	1700 Broadway - Suite 1215 Denver, Colorado 80202
Bernard Pomerantz	Secretary	29 Broadway New York, New York 10006
B.L. Bryans, Jr.	Treasurer	P.O. Box 1110 Wichita Falls, Texas 76307

DIRECTORS NAME	POST OFFICE ADDRESS
See Attached	

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Treasurer of the Wichita Industries, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

[Handwritten Signature]
Signature

February 17, 1976
Date

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Organization Report
File One Copy
Form No. 1

Directors

Stuart M. Berkman
29 Broadway
New York, New York 10006

Elmore A. Willets, Jr.
1603 Investment Building
Pittsburgh, Pennsylvania 15222

Howard Nelson
29 Broadway
New York, New York 10006

Michael J. Nelson
19 Rector Street
New York, New York 10006

William Zales
261 Fifth Avenue
New York, New York 10024

Irwin Lubalin
284 DeMott Street
Rockville Center, L.I., New York 11570

Stuart T. Parson
20 Elden Drive
Saddle River, New Jersey 07458



OIL & GAS PROPERTY MANAGEMENT

3330 ENTEX BLDG. • 1200 MILAM ST. • HOUSTON, TEXAS 77002 • AREA 713/658-0537 • CABLE: KEPPEL TELEX: 762-324

December 2, 1976

RECEIVED

DEC 6 1976

O & G CONS. COMM.

Oil & Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

Attention: Mr. William E. Allen

Gentlemen:

Enclosed you will find a copy of your form number 4 (Well Completion or Recompletion Report) along with the Compensated Neutron Log and Dual Induction-Laterolog (ran October 1, 1976) for Wichita Industries, Inc., well Federal No. 1-11, Wildcat Field, Coconino County, Arizona.

If you need additional information, please advise.

Very truly yours,

K & A, INC.

Clyde G. Pearce
Clyde G. Pearce

CGP:dln
Enclosures

cc: Mr. Elmore Willets
Mr. B. L. Bryans

November 23, 1976

K & A, Inc.
330 Entex Building
1200 Milam Street
Houston, Texas 77002

Attention: Mr. Clyde G. Pearce
Chief Production Clerk

Re: Wichita Industries, Inc. Federal #1
SE/4 SE/4 Sec. 1, T19N, R7E, Permit 661

Wichita Industries, Inc. Federal #1-11
SE/4 NW/4 Sec. 11, T17N, R9E, Permit 667

Dear Mr. Pearce:

Would you please send this office a copy of completion reports on the above referred wells (forms enclosed).

It is assumed that Wichita Industries has decided not to drill the other three wells that have been permitted. Please advise if this is correct.

Also advise this office if Wichita Industries still wishes to maintain the two holes that have been drilled in a confidential status.

Your cooperation is appreciated.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

Enc.



OIL & GAS PROPERTY MANAGEMENT

3330 ENTEX BLDG. · 1200 MILAM ST. · HOUSTON, TEXAS 77002 · AREA 713/658-0537 · CABLE: KEPPEX TELE: 762-324

September 22, 1976

RECEIVED

SEP 24 1976

Q & G CONS. COMM.

Oil and Gas Conservation Commission
State of Arizona
8686 North Central - Suite 106
Phoenix, Arizona 85020

Attention: Mr. Allen

Gentlemen:

Regarding our telephone conversation today concerning the projected depth of Wichita Industries' Federal No. 1-11, Coconino County, Arizona, you advised it was ok to change the projected depth of this well from 4,000 feet to 4,500 feet.

We will keep you posted on the progress.

Very truly yours,

K & A, INC.


Clyde G. Pearce

CGP:dln

cc: Mr. Elmore Willets
Mr. B. L. Bryans

309 Federal Building
800 Truxtun Avenue
Bakersfield, California 93301

September 1, 1976

RECEIVED

SEP 23 1976

O & G CONS. COMM.

K & A, Incorporated
3430 Entex Building
1200 Milam Street
Houston, Texas 77002

Gentlemen:

Enclosed is an approved copy of Application For Permit to Drill well 1-11, lease A-9585, Coconino National Forest, Coconino County, Arizona. We have attached our list of usual conditions of approval and are hereby advising you must comply with the six items outlined in the letter of August 31, 1976 from James B. Sweeney, Moran Lake District Ranger to John Wagner of our office (copy of letter is enclosed) and to the following three special conditions:

1. If during the course of site construction any artifacts should be encountered, you will cease operations and notify this office and the District Ranger at Moran Lake immediately.
2. Steel and tanks must be utilized to contain all drilling fluids. At the conclusion of operations all drilling wastes must be hauled to an authorized disposal site.
3. Send a weekly drilling report to the U.S.G.S. office at the above address.

Sincerely yours,

D. F. Russell
D. F. Russell
District Engineer

Enclosures

DER:er

cc: Oil & Gas Supervisor, Pacific Area
Regional Manager's office, Menlo Park/thru L.A.
BLM State Office, Phoenix, Arizona/thru L.A.
USFS, Coconino County, Arizona
Arizona Oil & Gas Conservation Commission, Phoenix, Arizona ✓
Wichita Industries, Inc., Graham, Texas 76046

RECEIVED

SEP 24 1976

O & G CONS. COMM.

FOUR REMOTE DEVONIAN TESTS STAKED IN ARIZONA

Wichita Industries has staked four remote wildcats in its drilling program in southeastern Coconino County, Arizona. All are projected to Devonian at 4000 ft. They are 1-13 Federal, ne se 13-19n-7e; 1-11 Federal, se nw 11-17n-9e; 1 Lockett, nw ne 4-17n-9e; and 1-18 Federal, ne nw 18-17n-10e. The first well in the series, 1 Federal, ne se 1-19n-7e, is reportedly at total depth with no details released. It is about ten miles south of the town of Flagstaff and two miles north of one of the newly staked ventures, the 1-13 Federal. The other three new tests are 24 to 28 miles south-southeast of Flagstaff and two to six miles south of Mormon Lake.

COMPLETIONS



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA

TELEPHONE
ARIZONA 85013
PHONE: (602) 271-5161

8696 N. CENTRAL, SUITE 100
PHOENIX, ARIZONA 85020

August 30, 1976

Mr. Clyde Pearce
K & A, Inc.
3430 Entex Building
1200 Milam Street
Houston, Texas 77002

Re: Wichita Industries, Inc., Federal No. 1-11 SE/NW Sec. 11,
T17N, R9E, Coconino County, Arizona.

Dear Mr. Pearce:

Attached is your approved Application to Drill, Drilling Permit and a
Copy of the receipt for the \$25.00 filing fee.

Please note that 10' samples are required.

If we can be of any assistance, please advise.

Very truly yours,


W. E. Allen
Director
Enforcement Section

Enc.



OIL & GAS PROPERTY MANAGEMENT

3330 ENTEX BLDG. - 1200 MILAM ST. - HOUSTON, TEXAS 77002 - AREA 713/658-0537 - CABLE: KEP PET TELEX: 762-324

August 27, 1976

Oil & Gas Conservation Commission
State of Arizona
8686 North Central Street 106
Phoenix, Arizona 85020

Attention: Mr. W. E. Allen

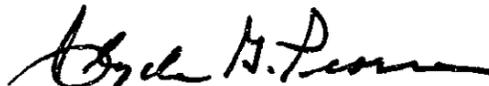
Gentlemen:

We plan to start drilling Wichita Industries Federal No. 1-11,
Section II, T-17-N, R-9-E, possibly the latter part of next week,
and we want it classified as a "Tight Hole".

If further information is needed, please advise.

Very truly yours,

K & A, INC.


Clyde G. Pearce

CGP:dlm

cc: Mr. B. L. Bryans
Mr. Elmore Willets



OIL & GAS PROPERTY MANAGEMENT O & G CONS. COMM.

3430 ENTEX BLDG. . 1200 MILAM ST. . HOUSTON, TEXAS 77002 . AREA 713/227-1537 . CABLE: KEPPEL TELEX: 762-324

RECEIVED

AUG 30 1976

August 27, 1976

Oil & Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

Attention: Mr. William E. Allen

Gentlemen:

Enclosed you will find Wichita Industries' original and one copy of your form 3 (Application for Permit to Drill) covering well No. 1-11 with a correction on the acreage dedication.

If you need additional information, please advise.

Very truly yours,

K & A, INC.

A handwritten signature in cursive script that reads "Clyde G. Pearce".

Clyde G. Pearce

CGP:d1m
Enclosure

cc: Mr. B. L. Bryans, w/enclosure
Mr. Elmore Willets, w/enclosure

August 23, 1976

K & A, Inc.
3430 Entex Building
1200 Milam Street
Houston, Texas 77002

Attention: Mr. Clyde G. Pearce

Gentlemen:

Wichita Industries Well #Federal 1-11

Wichita Industries Well #Federal 1-13

We are returning a copy of application to drill for each of the above referred locations. Please refer to Rule 105, Section A, of the rules and regulations of this Commission. This rule stipulates that for each oil well location there must be 80 contiguous acres dedicated to the well. Your application indicates that you are only dedicating 40 acres for each of these wells.

As soon as we have received the corrected applications to drill, the permits for these wells will be issued.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

Enc.



OIL & GAS PROPERTY MANAGEMENT

3430 ENTEX BLDG. 1200 MILAM ST HOUSTON, TEXAS 77002 AREA 713 227-1537 CABLE KEPPET TELEX. 762-324

August 18, 1976

State of Arizona
Oil and Gas Conservation Commission
8686 North Central - Suite 106
Phoenix, Arizona 85020

Gentlemen:

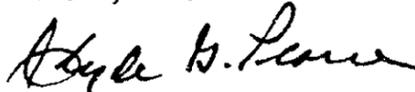
Enclosed you will find the original and one copy of your Form 3 (Application for Permit to Drill or Re-enter) for two wells in Coconino County, Arizona. They are Federal A-8538 No. 1-13 and Federal A-8585 No. 1-11.

Also, enclosed are checks for the filing fee in the amount of \$25 for each well.

If additional information is needed, please advise.

Very truly yours,

K & A, INC.


Clyde G. Pearce

CGP:dln
Enclosures

cc: Mr. B. L. Bryans

RECEIVED

AUG 23 1976

OIL & GAS CONSERV. COMM.