

PHILLIPS HUACHUCA A1 STATE 794  
NE NE 16-20S-20E COCHISE CO.



RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG MAR 3 1983

DESIGNATE TYPE OF COMPLETION:  
 New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry  O & G CONS. COMM.

DESCRIPTION OF WELL AND LEASE

Operator: Phillips Petroleum Company  
 Address: P.O. Box 2920, Casper, WY 82602  
 Federal, State or Indian Lease Number or name of lessor if fee lease: Huachuca State-A (Lse #51649)  
 Well Number: 1  
 Field & Reservoir: Wildcat  
 Location: 840' FNL & 700' FEL, NE NE  
 County: Cochise (1)  
 Sec. TWP-Range or Block & Survey: Sec. 16-T20S-R20E

Date spudded: 3/26/82  
 Date total depth reached: 5/30/82  
 Date completed, ready to produce: P&A 6/3/82  
 Elevation (D.F., B.M., B.T. or Gr.): GR 4261 feet  
 Elevation of casing hd. flange: feet  
 Total depth: 8513'  
 P.B.T.D.: --  
 Single, dual or triple completion?: --  
 If this is a dual or triple completion, furnish separate report for each completion: --  
 Producing interval (s) for this completion: --  
 Rotary tools used (interval): 0 - 8513'  
 Cable tools used (interval): --  
 Was this well directionally drilled? No  
 Was directional survey made? No  
 Was copy of directional survey filed? --  
 Date filed: --  
 Type of electrical or other logs run (check logs filed with the commission): DIL-SP-BHC, Sonic-GR, FDC-CNL, GR-CAL  
 Date filed: Approx. 4/2/82

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12-1/4"	9-5/8"	40#	1062'	621 sx Class G 123 sx Neat	--

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

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
			Set 142 sx Type G cmt. plug 1155-960'	
			Set 10 sx cmt plug at surface.	

INITIAL PRODUCTION

Date of first production: --  
 Producing method (indicate if flowing, gas lift or pumping--if pumping, show size & type of pump): Plugged & Abandoned 6/3/82  
 Date of test: --  
 Hrs. tested: --  
 Choke size: --  
 Oil prod. during test: -- bbls.  
 Gas prod. during test: -- MCF  
 Water prod. during test: -- bbls.  
 Oil gravity: -- °API (Corr)  
 Tubing pressure: --  
 Casing pressure: --  
 Cal'd rate of Production per 24 hrs.: --  
 Oil: -- bbls.  
 Gas: -- MCF  
 Water: -- bbls.  
 Gas-oil ratio: --  
 Disposition of gas (state whether vented, used for fuel or sold): --

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Area Manager of the Phillips Petroleum Company (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: 3/1/83

Signature: D. S. Fisher

1 - State of Arizona  
 1 - B'Ville  
 1 - Denver  
 1 - File  
 Permit No. 794

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>CORES</u>			
1885' - 1908'	-- Cored	23', Rec 22	
4294' - 4305'	-- Cored	11', Rec 10	
5757' - 5780'	-- Cored	23', Rec 23	
8500' - 8513'	-- Cored	18', Rec 13	
NO DST'S			
NO POROSITY			

Phillips Petroleum Huachuca A-1 State; Section 16, T.20 S., R.20 E., Cochise County. T. D. at 8513 in undated sedimentary rocks below Upper Cretaceous (Cenomanian-Aptian) siltstone interval at 3330 to 3930 feet.

\* Show all important zones of permeability, detail of all cores, and all drill-stem tests, including depth interval tested, casing 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 Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

RECEIVED

*OK*  
*24*

Operator Phillips Petroleum Company		Address P.O. Box 2920, Casper, WY 82602	
Federal, State, or Indian Lease Number. Lse #51649 or lessor's name if fee lease. Huachuca State-A		Well No. 1	Field & Reservoir Wildcat
Location of Well 840' FNL & 700' FEL, NE NE Sec. 16-T20S-R20E		Sec-Twp-Rge or Block & Survey O & G CONS. COMM. Cochise County	
Application to drill this well was filed in name of Phillips Petroleum Company	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) 0 Gas (MCF/day) 0 Dry? Yes	
Date plugged: 6/3/82	Total depth 8513'	Amount well producing when plugged: Oil (bbls/day) 0 Gas (MCF/day) 0 Water (bbls/day) 0	
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	None	---	Set 142 sx Type G Cmt plug 1155-960'. Set 10 sx cmt plug at surface.
CASING RECORD			
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)
9-5/8"	1062'	--	1062'
		Give depth and method of parting casing (shot, ripped, etc.)	
		No Recovery	
		Packers and shoes	
		Shoe at 1062'	
Was well filled with mud-laden fluid, according to regulations? Yes		Indicate deepest formation containing fresh water. NA	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
Name	Address		Direction from this well:
Information not available to this office.			
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. NA			
Use reverse side for additional detail.			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Area Manager</u> of the <u>Phillips Petroleum Company</u> (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	Signature		
3/3/83	<i>D. J. Fisher</i> D. J. Fisher		
<input checked="" type="checkbox"/> - State of Arizona <input type="checkbox"/> - B'Ville <input type="checkbox"/> - Denver <input type="checkbox"/> - File Permit No. <u>794</u>		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10	

SUNDRY NOTICES AND REPORTS ON WELLS

104

1. Name of Operator Phillips Petroleum Company

2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_

3. Well Name Huachuca State "A" No. 1

Location 840' FNL & 700' FEL, NE NE

Sec. 16 Twp. 20S Rge. 20E County Cochise Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649

RECEIVED  
JUN 7 1982  
O & G CONS. COMM.

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"/>	weekly <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		ALTERING CASING <input type="checkbox"/>
(OTHER) _____		(OTHER) _____	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.)

TITE HOLE - CONFIDENTIAL FINAL REPORT

Week of May 29 through June 4, 1982 -

Drl'd to 8340'. Worked pipe in tight hole. Drl'd to 8397'. Trip for bit. Reamed 120' to btm. Survey - 3-3/4 deg at 8372'. Drl'd to 8490', trip for washout. 68th jt DP. Survey - 3-3/4 deg at 8464'. Drl'd to 8500'. Circ and cond hole. Strap OOH. PU core bbl. WIH, cored 13', core bbl jammed. COOH w/core, rec 13'. LD core bbl. RU Schlumberger. Survey - 3-3/4 deg at 8500'. Ran DI=GR=SONIC from TD to 1061', FDC-CNL tool to btm, tool failed. COOH. PU new tool. WIH, could not get below 4175'. COOH. WIH w/bit. Wash 120' to btm. Circ and cond. COOH. Made two attempts to run velocity survey, tools not working properly. Ran FDC-CNL from 8252 to surface csg, tool would not go beyond 8252'. Ran velocity survey. Ran dipmeter from 8252 to 6830, tool stuck. Worked free and continued to log OOH. Fin running dipmeter. RD Schl. WIH to COOH. LDDP. WIH to 1155'. RU Howco, set 142 sx type G cmt plug 1155' to 960'. LDDP. Set 10 sx cmt plug at surface. RD BOP. Clean pits. Released rig at 4:00 A.M. 6/3/82. Well Plugged and Abandoned 6/3/82. FINAL REPORT

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

Signed D. J. Fisher Title Area Manager Date 6/4/82

Permit No 794

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

6-4-82

Phillips Ret. Well No. Huachuca A3 State (794)

6-1-82 Departed Phoenix (office) @ 2:00 pm & arrived in Sierra Vista @ 6:20 pm - checked in Village Inn Hotel

6-2-82 Arrived @ well loc. at 8:00 a.m. were still logging. Would finish logging @ 9:00 am & would start running d.p. in hole so that it could subsequently be laid down - singles. Would be ready for @ 6:00 pm

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

JUN 1 1982

O & G CONS. COMM.

*AKO*  
*21*

1. Name of Operator Phillips Petroleum Company  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State "A" No. 1  
 Location 840' FNL & 700' FEL, NE NE  
 Sec 16 Twp. 20S Rge. 20E County Cochise Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649

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"/>	Weekly <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ALTERING CASING <input type="checkbox"/>
(OTHER) _____			ABANDONMENT <input type="checkbox"/>

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TITE HOLE - CONFIDENTIAL

Week of May 22 through May 28, 1982 -

Drld to 7604'. COOH, 3 spear points wore off cones. Run magnet, rec small pieces of iron. WIH w/new bit. Reamed 90' to btm. Drld to 7675'. Trip for wash out, hole in 56th jt. Drld to 7713'. Trip for wash out, hole in 75th jt. Circ & cond. Trip for wash out, 2 holes in 108th jt. Drld to 7834'. Had 200 psi lost in pump press. COOH. Did not find hole in pipe. Repaired cat head. Drld to 7914'. Trip for wash out in box of 8th DC. Drld to 7940'. Trip for wash out in 201st jt DP from surf. Drld to 8070'. Trip for wash out in 18th jt from surface. Drld to 8216'. Trip for wash out in box 14th DC. Drld to 8338'. Surveys - 1-3/4 deg at 7604'. 1-1/4 deg at 7662', 1/2 deg at 7907', 1 deg at 8094', 1-1/2 deg at 8184', 3-3/4 deg at 8309'. Mud 8.9, Vis 31, WL 12.8

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

Signed D. J. Fisher Title Area Manager Date 5/28/82

Permit No. 794

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

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED  
MAY 24 1982  
D & G CONS. COMM.

AKS  
K1

1. Name of Operator Phillips Petroleum Company  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name HUACHUCA STATE "A" No. 1  
 Location 840' FNL and 700' FEL, NE NE  
 Sec 16 Twp. 20S Rge. 20E County Cochise Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649  
 5. Field or Pool Name \_\_\_\_\_

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FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ALTERING CASING <input type="checkbox"/>
(OTHER) _____			ABANDONMENT <input type="checkbox"/>

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TITE HOLE - CONFIDENTIAL

Week of May 15 thru May 21, 1982

Drld to 6826'. COOH. Left spear points off two cones in hole. PU magnet. WIH. Circ and work magnet. COOH, rec one spear point and two small pieces of metal. WIH w/bit. Wash 30 ft to btm. Drld to 7242'. Trip for wash out in 5th jt DP above DC. Wash 30 ft. to btm. Drld to 7272'. Lost 950 lb pump press and 18,000 lb wt. COOH. Pin break in 4th DC. Left 12 DC's in hole. PU 7 inch overshot w/6 inch grapples. WIH, work on fish, could not catch. COOH. Dress overshot with 6-1/4 inch grapple. WIH, wash over DC, could not catch. Dress overshot with 6-1/8 inch grapple. WIH, work on fish. Pull 30,000 lb over string wt. Overshot slipped off. Circ, COOH w/overshot. Grapples worn smooth. PU bumper sub. Redress overshot w/6-1/8 inch grapple. WIH, wash down over fish, jar on fish. COOH, rec all fish. LD fish and tools. Inspect BHA. LD 2 DC's w/cracked pins and 2 DC's w/cracked boxes. PU 6 DC's. WIH, Wash 60' to btm. Drld to 7518'. Trip for wash out in 12th jt DP from surf. Wash 90 ft. to btm. Drld to 7558'. Surveys - 2-1/4 deg at 6639', 2 deg at 6826', 2-1/4 deg at 6949', 1-3/4 deg at 7167', 1-1/4 deg at 7259'. Mud 9.2, Vis 35, WL 14.4..

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

Signed D. Fisher Title Area Manager Date 5/21/82  
 D.J. Fisher

Permit No. 794

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
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 Form No. 25 File One Copy

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

MAY 17 1982

O & G CONS. COMM.

1. Name of Operator Phillips Petroleum Company  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State "A" No. 1  
 Location 840' FNL and 700' FEL, NE NE  
 Sec. 16 Twp. 20S Rge. 20E County Cochise, Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649  
 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"/>	weekly MONTHLY PROGRESS <input checked="" 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) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(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.)

TITE HOLE - CONFIDENTIAL

Week of May 8 thru May 14, 1982

Cored from 5757' to 5780', 23'. Rec 23' from 5757-5767' -- 10' calc mudstone w/fractures 45-60 deg from horizontal, from 5767-5780' 13' calc siltstone fractures 45-60 deg from horizontal, same areas w/vertical fractures. Drld to 6135', COOH. Tested BOP's. WIH w/new bit. Washed 30' to btm. Drld to 6247'. Trip for washout in DC. Drld to 6582'. Surveys - 3-3/4 deg at 5797', 3-1/2 deg at 5927', 3-1/2 deg at 6204', 3 deg at 6362', 3-1/4 deg at 6479'. Mud 9.1, Vis 34, WL 16.

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

Signed D. J. Fisher Title Area Manager Date 5/14/82

Permit No. 794

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
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SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED *CKS*

MAY 10 1982 *24*

O & G CONS. COMM.

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FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
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TITE HOLE - CONFIDENTIAL

Week of May 1 thru May 7, 1982 -

Drld to 5146'. Trip to replace washout in 144th jt: Drld to 5181'. LDDP. Tstd BOP's. PU DP. Wash 60' to btm. Drld to 5277'. Trip for washout in tool jt between 6th and 7th DC from top. Drld to 5757'. COOH. PU core bbl. WIH, wash 40' to btm. Begin coring. Surveys - 4-1/4 deg at 5297', 3-3/4 deg at 5516', 3-3/4 deg at 5639', 4 deg at 5757'. Mud 9, Vis 31, WL 12.

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

Signed *D. J. Fisher* Title Area Manager Date 5/7/82  
 D. J. Fisher

Permit No. 794

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

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED *AKD*  
MAY 3 1982 *RM*  
O & G CONS. COMM.

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TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	WEEKLY <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ALTERING CASING <input type="checkbox"/>
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TITE HOLE - CONFIDENTIAL

Week of April 24 - April 30, 1982

Drd to 4580'. COOH. Magnafluxed BHA. LD 6 DC w/cracked pins. WIH. Drld to 4873'. Trip for wash out in 14th jt DP from surface. Drld to 4925'. Lost press. COOH, wash out in body of DP. WIH, Drld to 4939'. Lost pressure. COOH. Found 5 washouts in tool jts. PU 8 DC. WIH attempting to circ, jets plugged. Trip for plugged bit, found float upside down, drld to 4946'. Lost pump pressure, trip for washout in slip area 50th jt DP from surf. Drld to 5055'. Start trip for wash out. Repair drum chain, fin trip for wash out. Hole in 144th jt DP. LD 8 other jts DP. Drld to 5078'. Trip for wash out, found hole in middle of 102nd jt. Drld to 5112'. Surveys - 4-1/4 deg at 4525', 4 deg at 4631', 3-3/4 deg at 4753', 4 deg at 4878', 3-3/4 deg at 5098'. Mud 9.1, Vis 30, WL 10.4..

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

Signed *D. J. Fisher* Title Area Manager Date 4/30/82  
D. J. Fisher

Permit No. 794

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OIL & GAS CONSERVATION COMMISSION  
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SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

APR 30 1982

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 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State "A" No. 1  
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 Sec. 16 Twp. 20S Rge. 20E County Cochise, Arizona.  
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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"/>	<del>WATER SHUT-OFF</del> PROGRESS <input checked="" 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) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(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.)

TITE HOLE - CONFIDENTIAL

Week of April 17 - April 23, 1982

Drld to 4294'. COOH. Tested BOP's, OK. PU Core bbl. WIH, cut core No. 2 from 4294' to 4305'. COOH. Rec 10'. WIH. Drld 4', trip for washout in DP. TIH. Drld to 4370. COOH. Lost 150 psi pump press. Found cracked box in DC 5th jt from btm. WIH. Drld to 4505'. Surveys - 4 deg at 3918', 4-1/2 deg at 4102', 4-3/4 deg at 4294', 4 deg at 4372'. Mud 9.1, Vis 32, WL 12.

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

Signed D. J. Fisher Title Area Manager Date 4/23/82  
 D. J. Fisher

Permit No. 794

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

Arrived @ Sierra Vista @  $\pm$  7:00 pm & lodged at ~~Adge~~ Village Inn Motel for the night.

(794) On 4-23-82 met with Norm Johnson at the Huachuca A-1 State location. He reported:

1) T.D. 4508'

2) That the rancher was interested in taking over the well to convert to a water well. Wanted to know our requirements to convert & I gave him these. Told him I would try to find out what the water depth is in the vicinity.

On my way out I stopped to visit a well (water) drilling rig 2.4 mi from Huachuca City well. Learned WT (H<sub>2</sub>O table) was  $\pm$  320' (over)

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

APR 19 1982

O & G CONS. COM.

*AKS*  
*RAY*  
*OS*

1. Name of Operator Phillips Petroleum  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State "A" No. 1  
 Location 840' ENL. and 700' FEL, NE NE  
 Sec. 16 Twp. 20S Rge. 20E County Cochise County, Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649  
 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"/>	weekly <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ALTERING CASING <input type="checkbox"/>
(OTHER) _____			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.)

TITE HOLE - CONFIDENTIAL

Week of April 9 - April 16, 1982

Drld from 2802' to 3892'. Surveys - 3-1/4 degrees at 3049', 3-3/4 degrees at 3234', 3-1/4 deg at 3419', 3-1/4 degrees at 3481', 3-1/4 degrees at 3667', and 4 degrees at 3851'. Mud 9, Vis 32, WL 7.2.

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

Signed *D.J. Fisher* Title Area Manager Date 4/16/82  
 D. J. Fisher

Permit No. 794

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

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED  
 APR 9 1982  
 O & G CONS. COMM.  
*AKS*  
*W.B.*  
*AS*

1. Name of Operator Phillips Petroleum  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State "A" No. 1  
 Location 840' FNL and 700' FEL, NE NE  
 Sec. 16 Twp. 20S Rge. 20E County Cochise County, Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649  
 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"/>	weekly <input checked="" 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) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(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.)

TITE HOLE - CONFIDENTIAL

Week of April 3 - April 8, 1982

Drld from 1945' - 2802'. Surveys - 3-1/4 degrees at 2189', 2-1/2 degrees at 2312', 2-3/4 degrees at 2500', 3 degrees at 2677', 3 degrees at 2802'. Mud 9, Vis 29, WL 14.

8. I hereby certify that the foregoing is true and correct.  
 Signed *D. J. Fisher* Title Area Manager Date 4/8/82  
D. J. Fisher

Permit No. 794

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

3-29-82

Phillips Pet. well "Huachuca" 1A State P. 794  
Location: 3 mi E of intersection of Hwy 90 +  
Hwy 82

Date of inspection: Mar 28

Onsite Supervisor: Norm Johnson

Type of operations witnessed:

1. Running in of  $9\frac{5}{8}$ " , 40 # , K-55 casing to 1061'
2. Cementing of the casing, using 624 S# on primary cementing job around shoe at 1061'
3. Cementing from the surface, using 1" pipe hanging at 90' and pumping 123 S# - full returns at the surface

Left well site at 4:15 pm

Csg. History

$9\frac{5}{8}$ " Cem. 1061' T.D. 1081'

Misc.:

Logs run: Dual Ind/SFL; Borehole Compens.

Formational change @ 930' - siltstones, sandstones

Unable to ~~tell~~ distinguish fresh water sands & at what level

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

APR 5 1982

O & G CONSV. COMM.

AKO  
RAY  
LUB  
OS

1. Name of Operator Phillips Petroleum  
 2. OIL WELL  GAS WELL  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name Huachuca State A No. 1  
 Location 840' FNL and 700' FEL, NE NE  
 Sec. 16 Twp. 20S Rge. 20E County Cochise County, Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease #51649

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"/>	WEEKLY PROGRESS <input checked="" 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) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

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

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TITE HOLE - CONFIDENTIAL

Week of March 25 - April 2, 1982

RURT 3/24/82. Drld mouse hole. Spudded 12-1/4 in. surface hole at 9 A.M. 3/26/82. Drld to 1085'. Cond hole. COOH. RU and ran Schl. DIL-SP-BHC Sonic-GR and FDC-CNL-GR-CAL. Loggers TD 1086'. RU to run csg. Ran 25 jts 9-5/8" 40 lb K-55 csg, set at 1062'. Mixed 500 gal of Flochek and 621 sx CL G cmt w/0.65 percent CFR-2 and 15.6 PPG. Full returns and flochek to surface when plug down at 11:30 A.M., 3/28/82. Cmt w/123 sx. Neat cmt down 1" at 90'. Cmt to surface. NU and press tested BOP's and Kelly to 3000 psi, hydril to 1500 psi, OK. PU BHA. WIH. Drld plugs and float collar. Tstd csg to 1000 psi. Drld cmt and shoe. Tstd csg seat to 200 psi. Drld 7-7/8" hole to 1885'. COOH, PU core bbl. WIH, cored 1885' to 1908'. COOH. LD core No. 1, rec 22'. WIH w/bit. Drld to 1945'. Surveys - 1/4 degree at 100', 3/4 degree at 765', 1/2 degree at 1259', 1-3/4 degree at 1693', 2-1/2 degrees at 1945'. Mud 8.8, Vis 30, WL 11.6.

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

Signed D. G. Fisher Title Area Manager Date 4/2/82

Permit No. 794

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

Geological Well Prognosis  
for  
PPCo. Huachuca State No. 1

Lithologies Expected to be Encountered

The well is expected to spud in Quaternary deposits composed of poorly consolidated silts, sands, gravels and mudstones. Below these deposits, approximately 5,000' feet of Tertiary deposits are expected to be encountered. These deposits are composed of conglomerates, sandstones, mudstones, interbedded volcanics (lava flows, tuffs and ash), and possibly some evaporites. The section from approximately 5000 ft. to T. D. (8,000 ft.) is expected to be Cretaceous sandstones, shales, and conglomerates and/or Paleozoic limestones and dolomites with some sandstones and shales.

Potential Drilling Problems

Lost circulation could possibly occur within the Quaternary and Tertiary coarse-grained sediments and in fractured or porous volcanic rocks.

Recommended Mud Program

The mud should have sufficient viscosity and low water loss to insure good samples and ingauge hole conditions for the log runs throughout the drilling of this well.

At the present time in this very sparsely drilled area, we are unaware of any abnormally pressured zones. We, therefore, anticipate normally pressured (.433# per foot) reservoir pressures to total depth.

FGL/fb  
Attach.

cc: D. J. Fisher  
P. B. Hammaker  
F. G. Lyte (6)  
J. S. Sanford  
Glen Slater  
A. K. Doss ✓  
Norman Johnson (2)

Drilling & Casing Program:

Drill 12-1/4" hole to good casing seat at or below 1000'. Set 9-5/8" and TD with 7-7/8" hole. Set 1 jt. of 14" conductor. Wire line logging of the surface hole will be DIL-SP-BHC-Sonic-GR-Cal. Run 9-5/8" 40# K-55 ST&C Casing (3759 psi Burst, 2487 psi Collapse, 324,000# Tensile. 4860 Ft-lbs optimum torque w/3650 ft-lbs minimum & 6080 ft-lbs. maximum torque). Run one centralizer directly above the shoe, another on the second joint, another approximately 150' above the shoe and then every 200±' to the surface. Use Philube API modified thread lubricant, circulate casing volume of 114 bbls. Preflush with 20 bbls. fresh water spacer followed by 820 sx (100% excess) of Class "G" cement w/1/2% CFR-2 @ 15.8 ppg. Run standard Super Seal Float Collar and Float Shoe. Howco in El Centro has FC&FS and 8 centralizers and will bring to location. WOC 18 hrs. before commencing to nipple-up.

Drilling Mud - attached. To be supplied by Baroid under Farmington, New Mexico office. District Manager of Baroid is Bob Hogg, Farmington (505)325-1896 (o) and (505) 325-5486 (r). Local contacts are Bill Harder, Tucson, (602) 885-8910; Tim Adams Solar City, New Mexico (505) 388-3315; Dennis Woods, Sr. Engr. Phoenix, (602) 963-8069.

Mobils:     Dennis Woods     (0414) (602)253-6143  
           Bill Harder     (0110) (602)624-6646  
           Tim Adams       (2445) (505)538-5376

Mobils are not direct dial; Woods and Harders' are with General Communications; Adams is with Sierra Communications; numbers in parenthesis refer to unit or vehicle radios numbers with these services.

BOP's - Nipple-up after setting 9-5/8" per BOP Standard Figure 6 or 7 (depending upon rig equipment). Test BOP's initially and first trip out-of-hole after Tuesday A.M. With 1500' of casing, test pressure need not exceed 2250 psig. Advise Arizona O&G in advance, of BOP testing as they may witness. Phoenix office is 255-5161; A.K. Doss, Exec. Secy, 866-8584 (r) or Asst. Rudy Ybarra, 265-0643 (r). This office will advise AR O&G of Spud & P&A.

Well Head - 3 9-5/8" S.O. x10" Series 900 Braden Heads w/3  
R53 Ring Gaskets and 2 boxes of nuts and bolts were purchased from  
National Supply, Farmington, (505) 325-1723 and hauled to Baroids  
Tucson yard with a load of mud from Baroid in Farmington. Reuse,  
after shopping to remove dutchman.

#### Formation Tops

Quaternary	Spud
Base of Tertiary/Top of Cretaceous/ Paleozoic	5000'
T.D.	8000'

#### Objective Horizons

Primary objective is to test horizons interpreted from seismic reflectors  
to be either Cretaceous or Paleozoic in age. Objectives within the  
Cretaceous include the Mural Limestone/Apache Canyon Formation and within  
the Paleozoic, the Pennsylvanian Horquilla Limestone.

#### Logging Program

Run No. 1 12-1/4" Hole - TD to Surface	1&2 Below
Run No. 2	1. DIL-SP-BHC Sonic-GR with GR run to surface
7-7/8" Hole 9-5/8" CP to TD	2. FDC-CNL-GR Caliper
	3. HDT

All electric logs will be taped; distribution of logs will be by  
Exploration. Two sets of maximum reading thermometers, three per set,  
in the ranges of 100 deg.-300 deg. F. will be available for use on all  
logging runs. Thermometers should have been recently calibrated.

#### Coring Program

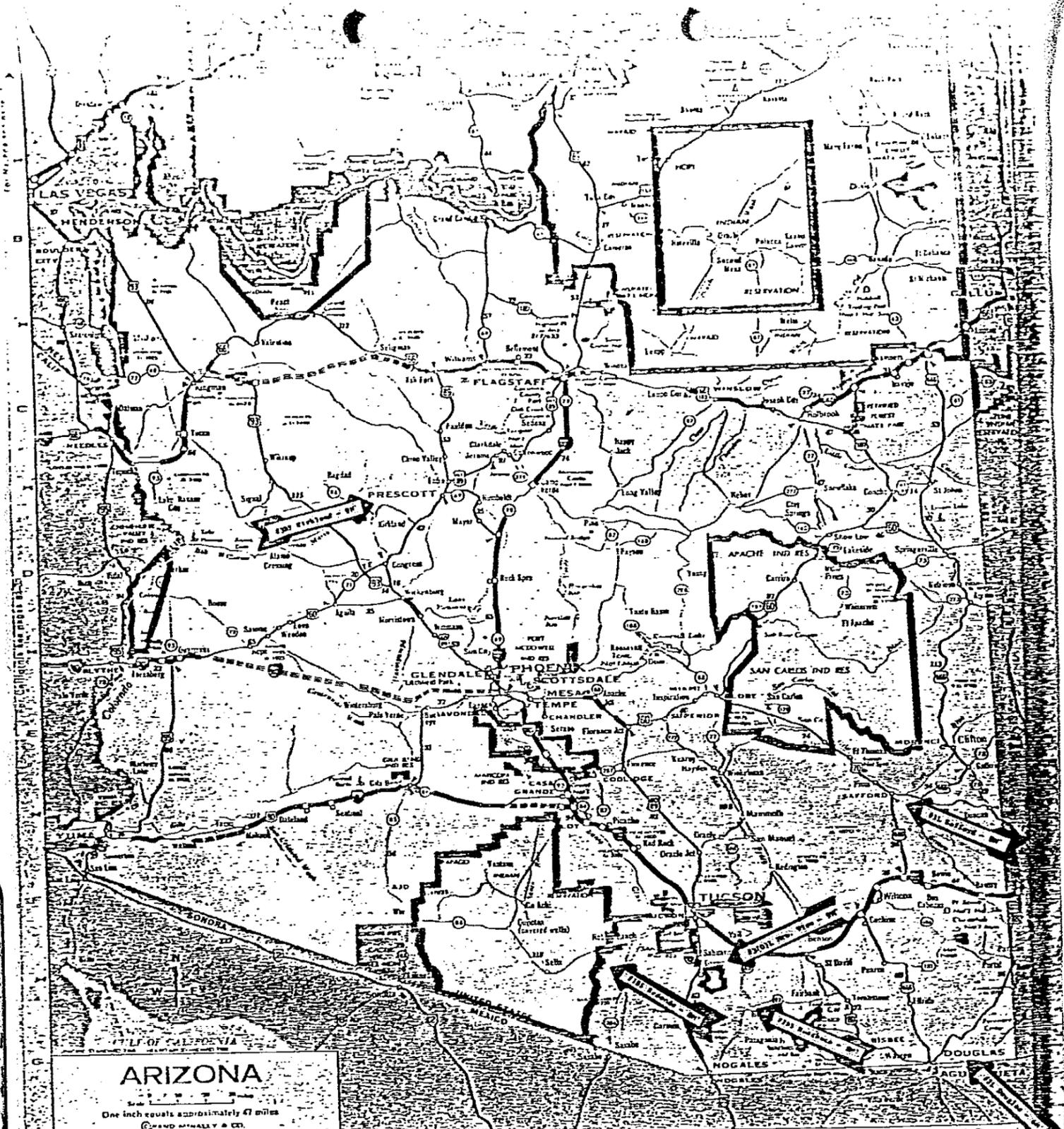
At the direction of the Phillips' Wellsite Geologist, cores or sidewall  
cores will be taken in intervals of stratigraphic interest, intervals  
exhibiting significant Hydrocarbon shows and/or at T.D.

Cores will be measured, marked and clearly labelled prior to being  
packed in boxes. A sheet of paper bearing the well name, core number  
and intervals will be inserted in a plastic sample sack and packed  
within each box prior to securing the lid. Each box will be labelled  
on either end with well name, core number and interval.

#### Sample Program

Sample catching at 10 feet intervals, will commence at the surface  
or as soon thereafter as is practicable and will be continued to T.D.

Detailed instructions and requirements covering the number of sets  
required, sample treatment, handling, packaging, and shipping instruc-  
tions will be covered in a separate memorandum.



**ARIZONA**  
 One inch equals approximately 47 miles  
 RAND McNALLY & CO.

**ARIZONA**  
 Population: 1,635,000  
 (1965 estimate)  
 Area: 113,529 Sq. Miles  
 Capital: Phoenix

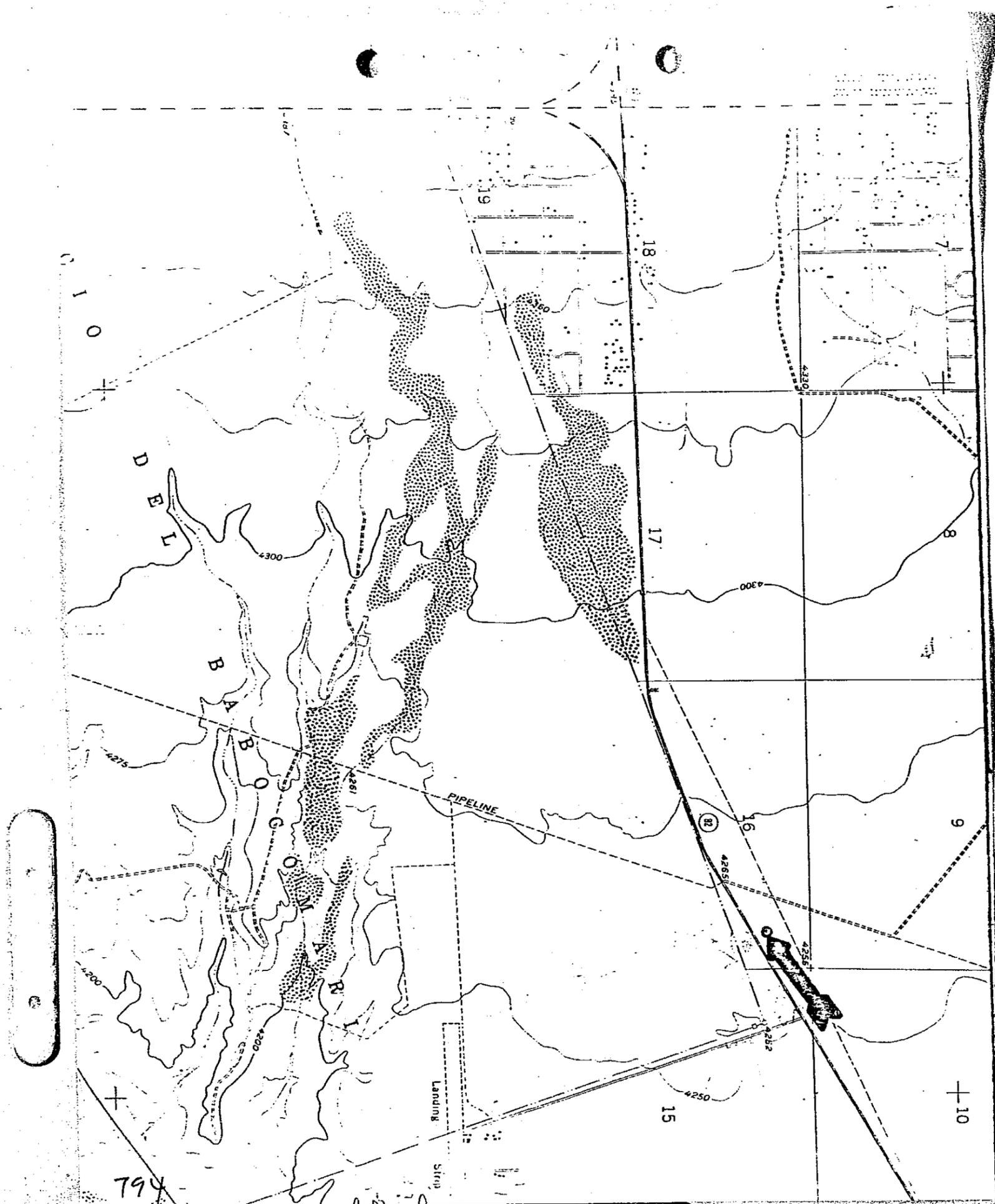
For Mexico see page M.

Acuña.....D-2	Beograd.....C-7	Douglas.....G-6	Gu Achi.....F-3	Laveade.....D-5	Page.....A-4	St. Johns.....D-6	Tempe.....D-6
Ajo.....D-3	Bisbee.....C-5	Duncan.....F-6	Happy Jack.....C-4	Litchfield Park.....E-3	Paragonia.....G-5	Salome.....D-2	Tombstone.....G-5
Apache Jct.....E-4	Buckeye.....E-3	Ehrenberg.....E-1	Hayden.....E-4	McNary.....D-5	Parson.....D-4	San Carlos.....E-5	Tuba City.....E-4
Avondale.....E-3	Casa Grande.....E-4	Eloy.....F-4	Hesperia.....D-5	Mesa.....E-4	Peach Springs.....B-2	Scottsdale.....E-4	Tucson.....C-4
	Chandler.....C-3	Florence.....E-4	Holbrook.....C-5	Miami.....E-4	Phoenix.....E-2	Sedona.....C-4	Wellton.....C-4
	Chino Valley.....E-4	Fl. Defiance.....E-4	Humboldt.....D-3	Moenkopi.....E-6	Picacho.....E-5	Seligman.....C-3	Willcox.....E-4
	Clarendale.....C-3	Fl. Thomas.....E-5	Jerome.....C-3	Morenti.....E-4	Pinetop.....D-3	Show Low.....D-5	Williams.....D-5
	Clay Springs.....D-5	Ferdonia.....A-3	Joseph City.....C-3	Morristown.....D-3	Petalca.....B-5	Snowflake.....D-5	Window Rock.....F-1
	Clinton.....E-6	Glendale.....E-5	Kaventa.....A-5	Naco.....G-5	Prescott.....E-1	S. Tucson.....F-4	Yuma.....E-4
	Colorado City.....A-7	Globe.....E-5	Kearns Canyon.....B-5	Nogales.....D-6	Quartz Hill.....D-3	Springerville.....E-4	
	Coolidge.....E-4	Grand Canyon.....B-3	Kearny.....E-4	Nopogo.....D-6	Safford.....E-1	Superior.....E-4	
	Cottonwood.....C-3	Green Valley.....G-4	Kinman.....C-3	Oracle.....F-3	St. David.....G-5		

794

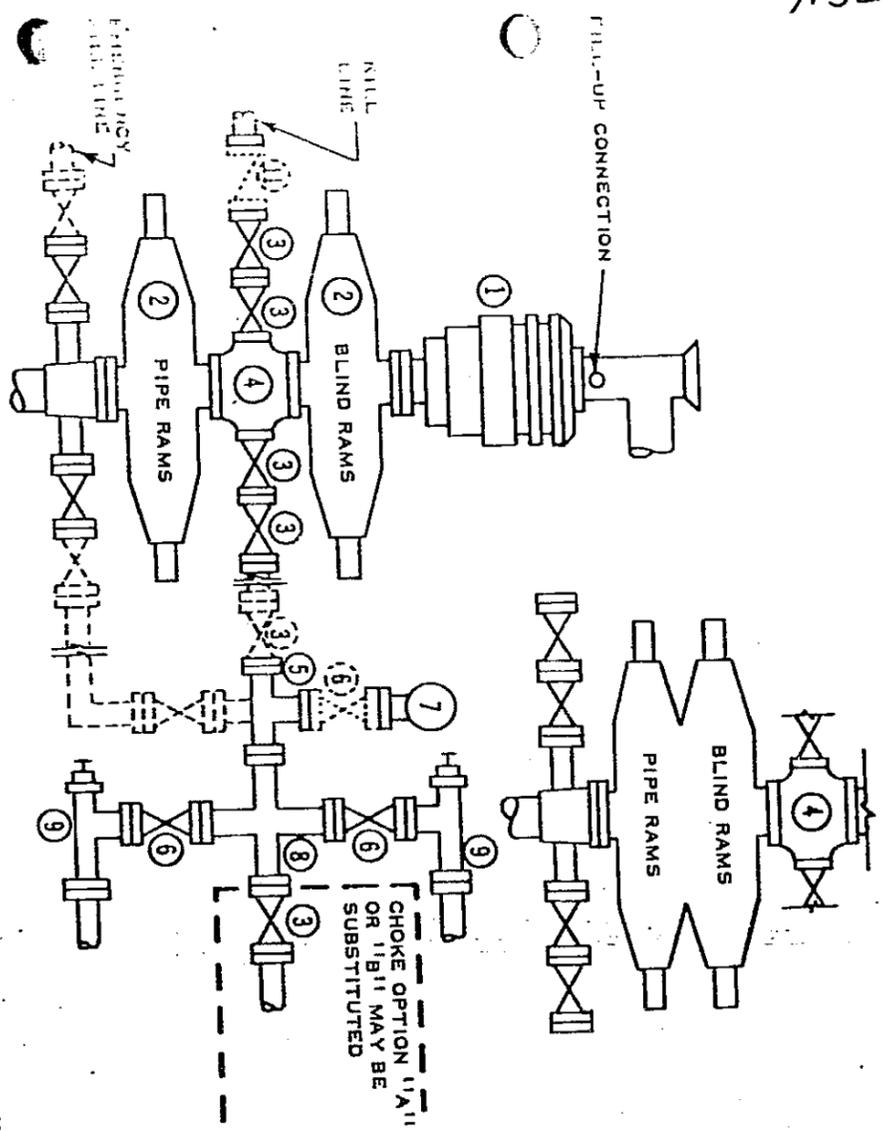
PPCO ARIZONA 'STRAT' WELLS -- rev'd. 2-4-'82

Handwritten initials or signature.



794

DOUBLE PREVENTER OPTION

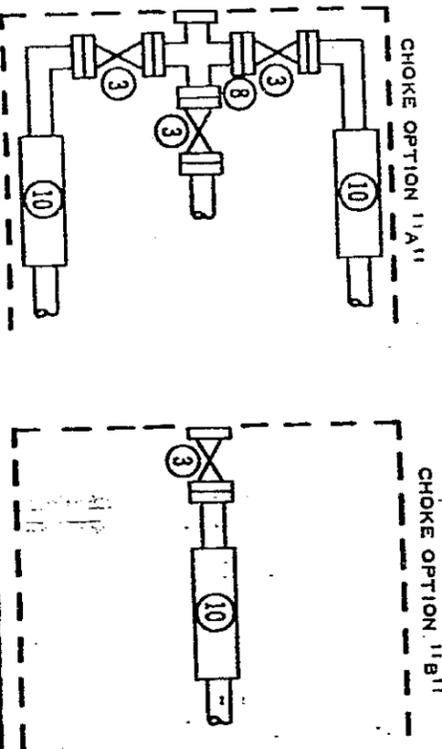


- ① SER. 900 HYDRIL 1 1/2" X 1 1/2"
- ② SER. 900 RAM-TYPE BOP
- ③ 3 1/2" SER. 900 VALVE
- ④ SER. 900 DRILLING SPOOL
- ⑤ 3 1/2" SER. 900 X 2 1/2" SER. 900 STEEL TEE
- ⑥ 2 1/2" SER. 900 VALVE
- ⑦ 2 1/2" MUD PRESSURE GAUGE
- ⑧ 3 1/2" SER. 900 X 2 1/2" SER. 900 STEEL CROSS
- ⑨ 2 1/2" SER. 900 ADJ. CHOKE
- ⑩ HYDRAULIC CHOKE, 2500 PSI WP OR BETTER
- ⑪ 3 1/2" SER. 900 CHECK VALVE

NOTES:

1. 3000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE
3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

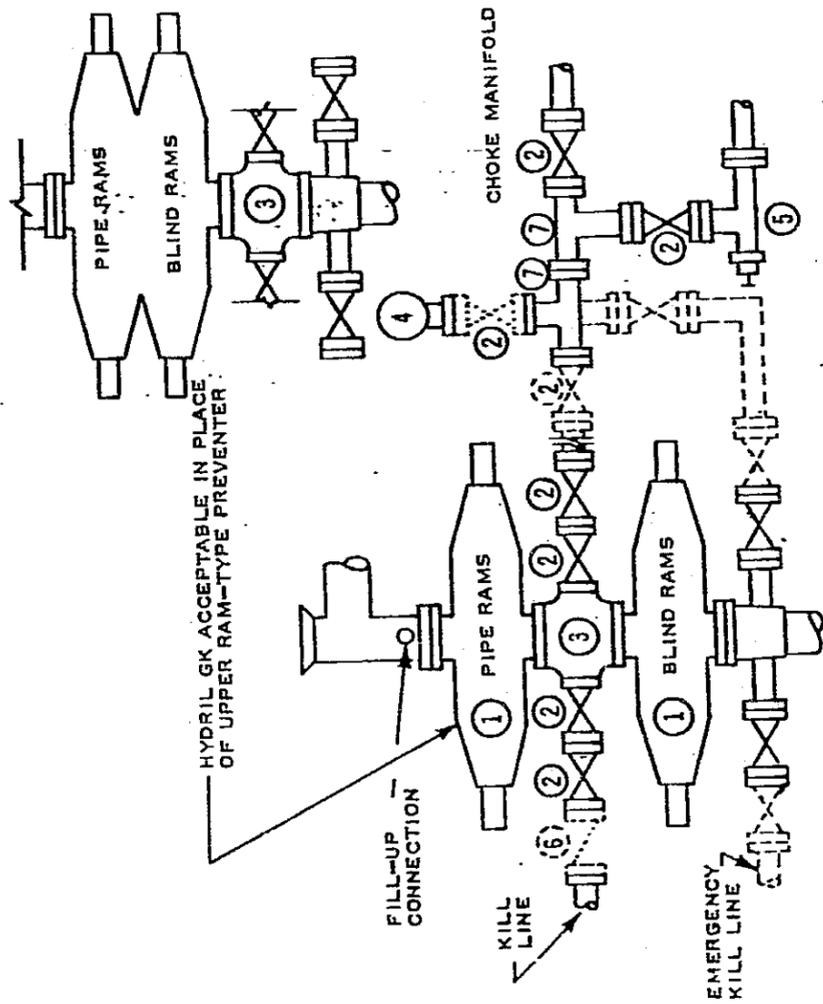


PHILLIPS PETROLEUM COMPANY  
 3000 PSI WORKING PRESSURE  
 BLOWOUT PREVENTER HOOK-UP  
 (SERIES 900 FLANGES OR BETTER)

REV 6/73

FIGURE NO. 6

DOUBLE PREVENTER OPTION



- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL
- ④ 2" MUD PRESSURE GAUGE
- ⑤ 2" SERIES 900 CHOKE
- ⑥ 2" SERIES 900 CHECK VALVE
- ⑦ 2" SERIES 900 STEEL TEE

NOTES:

1. 3000 PSI WP CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED, AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

PHILLIPS PETROLEUM COMPANY

3000 PSI WORKING PRESSURE  
BLOWOUT PREVENTER HOOK-UP  
(SERIES 900 FLANGES OR BE ITER)

FIGURE NO. 7

REV 6/73

APPLICATION FOR PERMIT TO USE STATE HIGHWAY RIGHT OF WAY  
(Print or Type)

Application is hereby made for a permit to enter in upon and use a portion of the State Highway.

Name of Owner PHILLIPS PETROLEUM COMPANY

Address of Owner P.O. BOX 2920

City CASPER State WYO Zip 82602

Name of Applicant NORMAN JOHNSON Legal Relationship to Owner CONSULTANT

Mailing Address 1700 W. 25<sup>TH</sup> ST. APT. 24 D

City CASPER State WYO Zip 82601

Phone 307-237-3791

Signature of Applicant Norman Johnson  
Applicant and Owner are responsible for conditions on permit

City (in or near) HUACHUCA CITY Project No. FAS 49-1941

Highway Route No. 82 Approximately 2600 Feet E of Milepost No. 54 54.49  
Direction

Side of Highway  S  E  W (circle one) Highway Station 1960+50

Purpose ACCESS TO DRILLING SITE

Construct temporary 25' turnout to drilling site.

FOR DEPARTMENTAL USE ONLY

THIS APPLICATION is approved with the following directions, requirements and specifications:

All work shall be done in accordance with the Arizona Department of Transportation Standards and Specifications and under the supervision of the Arizona Department of Transportation.

Traffic shall be protected in accordance with the Arizona Department of Transportation Traffic Control Manual and the Manual on Uniform Traffic Control Devices. All signs and flares to be approved by the supervisor designated herein.

All surplus earth shall be removed from the right of way. Permittee shall assume full responsibility in attaining clearances from utility lines.

Permittee shall assume full responsibility for damage to other utility lines. The turnout shall be constructed in such a manner as to provide for existing drainage and to keep drainage away from the highway.

Brace posts shall be set and the wires firmly attached to them before the fence is cut.

All construction to be as per the Arizona Department of Transportation Standard(s) C-6.01 & C-12.01 attached hereto and a part of this permit.

The area shall be restored to a neat, orderly condition. ALL WORK TO BE DONE UNDER THE SUPERVISION OF K. P. DEVER, MAINTENANCE FOREMAN, ST. DAVID, ARIZONA. NOTICE SHALL BE GIVEN THREE DAYS PRIOR TO START OF WORK. PHONE: 586-4751. NOTICE SHALL ALSO BE GIVEN TO THE SUPERVISOR OR THE DISTRICT OFFICE WITHIN THREE DAYS AFTER COMPLETION FOR FINAL INSPECTION. DISTRICT PHONE: 428-5470.

After Permittee has completed the work at the specified location he shall adhere to the following. Gates and cattleguards shall be removed, unless existing previously. Fence shall be reconstructed and the land shall be restored to original condition and conformance.

PHILLIPS PETROLEUM COMPANY

ARIZONA STRAT WELLS

HOLE SIZE AND CASING PROGRAM:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Depth</u>
12-1/4"	9-5/8"	1000'-2000'±
7-7/8"	-	T.D.

INTERVAL      MUD TREATMENT AND PROPERTIES

0-9-5/8" C.P. Spud Mud. Mix 10.0 lbs/bbl, Bentonite 15 lbs/bbl. Diace<sup>®</sup> diatomaceous solids, 3 to 5 lbs/bbl fibrous type LCM. This mixture of materials will produce a fluid that will clean the hole efficiently, minimize hole enlargement and treat all but very major mud losses as they are drilled. Use the above ratio of materials to maintain and/or rebuild volume as needed.

- 9-5/8" C.P. -T.D.
- (1.) Drill out of surface casing with water and discard cement contaminated fluid.
  - (2.) In clean, fresh water - mix caustic soda to obtain 9.5 to 10.5 pH.
  - (3.) Mix sack ratio of 8 sks. bentonite to 1 sk. Drispac<sup>®</sup> polymer to build funnel viscosity of 34 to 38 sec/qt.
  - (4.) Stay on this (8:1) bentonite/Drispac ratio at all times to maintain viscosity. This ratio will produce a low solids drilling fluid that will automatically have a controlled water loss w/good thin, slick filter cake that should keep the hole in good shape for logging, coring, and D.S.T.'s. This fluid should bring up clean, large cuttings which will aid geological evaluation of formations drilled.
  - (5.) Drilling water supply is likely to be a major cost item on this well. Therefore, a semi-closed mechanical solids control system should be utilized. (A.) High speed, fine screen shale shakers (using finest screens feasible), (B.) Desander and mud cleaner or desilter units that will each handle 50% more volume than that being circulated. (C.) A high speed - high volume centrifuge to discard maximum low gravity drilled solids, will also be considered.

(6.) Maintain Mud:

- Weight - 8.6 to 9.2 #/gal or minimum needed to maintain good hole conditions w/mech. solids control equipment and water.
- Viscosity - 36 to 42 sec/qt. w/8:1 Bentonite & Drispac ratio. Stay on this ratio at all times.  
45 to 50 sec/qt. to log, DST or core.
- Water Loss - 10.0 to 5.0 cc w/additional Drispac as needed above that used for vis. ratio.
- pH - 9.5 to 10.5 w/caustic soda.
- Total Hardness - Below 300 PPM w/soda ash.
- Rheology - Run non-dispersed if possible. Control gel strengths with sack ratio of 1 sk. Descos<sup>®</sup> thinner to 2 sks lignite, only if needed. Use sparingly.
- Loss of Circulation - Do not carry LCM in mud, unless absolutely necessary, in order to be able to utilize all mech. solids control equipment.
- A. If extra pit is available: Mix in water - 3 lbs/bbl Ground Paper, 1/2 sk/bbl Diacel D<sup>®</sup> and 5 lbs/bbl Med. Qwik-Seal (wait to mix Qwik-Seal until loss occurs). When loss is detected while drilling - pull up off bottom, spot above slurry (25 to 50 bbl) in bottom of hole and pull enough drill pipe to get above slurry. 1) Wait 30 minutes; if hole will fill, close hydril and pump into annulus at 1 - bbl/min until pressure build-up is noticed (100<sup>±</sup> psi) on drill pipe, watch for bleed-off and repeat until 20<sup>±</sup> bbls mud has been pumped or holding pressure build-up can be achieved. After above volume is pumped and hole will stand full, wait 30 minutes, break circulation, go back to bottom and drill, 2) If hole will not fill after spotting above slurry, spot another like slurry volume.
- B. On serious, complete and sustained losses, the attached Diaseal M<sup>®</sup> squeeze procedure will be used. NOTE: Substitute Ground Paper when Flosal is not to be used).

Page 1

- NOTES: (1.) Mud materials and service will be supplied by  
N/L Baroid Mud Co.
- (2.) Any significant changes in the program or mud products used must be cleared through the Phillips Casper District Office (307-237-3791) and notification of same to Glen Slater (303) 779-8989 Ext. 384.
- (3.) Daily mud check sheets must include total daily mud cost, each material used w/cost and cumulative cost. Also report on-location inventory of mud materials if this is not already a part of mud check form.
- (4.) Once each week mail legible copies of mud check sheets to PPhCo., Glen I. Slater, 7800 E. Eldorado Place Room 245, Englewood, CO 80111.
- (5.) Submit well recap and mud cost summary to Casper Office and Glen Slater upon completion of well.

cc: D. J. Fisher  
P. B. Hammaker  
F. G. Lyte  
Dist. & Reg. Files  
Glen I. Slater (2) Phillips Petroleum Co., 7800 East Dorado Place,  
Room 245, Englewood, CO 80111

Brinkerhoff-Signal Drilling Co. (2) Redondo State #1

N/L Baroid Mud Co. (2)

E. E. Clear, (1) Drlg. Spec. Co., 309 Short St., B'Ville, OK 74004

GENERAL PROCEDURE FOR USING UNWEIGHTED DIASEAL M<sup>®</sup>  
OR "MODIFIED" DIACEL D<sup>®</sup> SLURRY

- 1) Pull drill string above loss zone or a considered safe distance off bottom when starting to mix the HWL-HS slurry.
- 2) Put kelly back on--continue to work pipe if in open hole.
- 3) Mix Diaseal M<sup>®</sup> or "Modified" Diacel D<sup>®</sup> slurry--at least 100 bbls. See attached sheet for guide to materials needed and mixing procedures.
- 4) Mix LCM--continue to work pipe while mixing.
- 5) Pump mixture in hole and displace drill pipe with mud.
- 6) Pull up into surface casing or a safe distance above where slurry would fill hole considering no loss to formation. Fill hole through fill-up line.
- 7) If hole does not fill after pumping about one foot of mud out of pits, mix another slurry volume and repeat procedure. On severe losses when slurry w/normal amounts of LCM is not adequate to seal loss, consider going in hole with open-end drill pipe and pumping out pieces of burlap bags. Cut bags (across bag) into four pieces, soak in mud, roll and drop into drill pipe at surface. Drop 100 quarters then displace out of drill pipe with mud. Follow with another 100 bbl Diaseal slurry (Step 5) and continue squeeze procedure.
- 8) If hole stands full or has circulated some during Step 5, proceed as follows:

Close pipe rams or Hydril, pump very slowly through fill-up line at 0-300 psi and squeeze. When pressure starts to build or is indicated while pumping, hesitate (watch for pressure bleed-back) then pump again until a low holding pressure can be established--somewhere between 50 and 300 psi. Hold available pressure for 20-45 minutes. When a squeeze pressure cannot be established wait about 2 hours, then if hole will stand full and circulate with drill string in upper position, go back to bottom and drill.

A low squeeze pressure is highly desirable because incipient fractures in the fractured loss zones will often be opened and plugged immediately, thus reinforcing the zone and decreasing the chance of loss or avoiding later losses. To be most effective, as much of the loss zone as possible should be penetrated before applying this squeeze technique.

Getting a successful squeeze depends entirely upon the high water loss/high solids slurry being placed in the hole so that it will go into the zone of loss. If the loss zone(s) is suspected to be back up the hole rather than at or near bottom, then consideration should be given to running some type tool to locate the zone(s) taking mud.

PROCEDURE FOR MIXING A DIASEAL M<sup>®</sup> HWL-HS SQUEEZE SLURRY

PG. 2

- I. Gun in 100 bags of Diaseal M in 87 bbls water.
- II. Gun in  $\pm 1,000$  lbs fibrous type LCM and the finished 100 bbl of squeeze slurry is ready to pump.
- III. If there is very much bentonite or clays left in pit to be used, a few sacks of lime mixed ahead of the other material would insure a high water loss slurry.
- IV. If pre-mix or pill pit is available Diacel M<sup>®</sup> could be mixed and on stand-by. Then when needed, the LCM could be gunned in and slurry would be ready for displacement.

PROCEDURE FOR MIXING A "MODIFIED" DIACEL D<sup>®</sup> HWL-HS SQUEEZE SLURRY

- I. Materials needed for 100 bbls of unweighted slurry:

Water	-	87 bbls
Lime	-	1 (50#) bag
Flosal <sup>®</sup>	-	6 (50#) bags (or Ground Paper)
Diacel D <sup>®</sup>	-	100 (50#) bags
LCM	-	$\pm 1,000$ lbs ( $\pm 10$ lbs/bbl) Fibrous and/or granular type

- II. Order of mixing:

- 1) In  $\pm 50$  bbls water mix 1 sk lime and 6 sks Flosal<sup>®</sup>. Gun good with maximum pressure on mud guns in order to mix and shear Flosal<sup>®</sup>.
- 2) When Flosal<sup>®</sup> is mixed well, continue to gun pit while adding remainder of water. Dump the 100 sks of Diacel D<sup>®</sup> directly into pit under mud guns.
- 3) Then dump in LCM under mud guns and mix thoroughly.

- III. If pre-mix or pill pit is available, the lime, Flosal<sup>®</sup> and Diacel D<sup>®</sup> could be mixed and on stand-by. Then when needed, the LCM could be gunned in and slurry would be ready for displacement.
- IV. If Flosal<sup>®</sup> viscosifier cannot be used, simply add extra Diacel D<sup>®</sup> (as much as  $\pm 80$  ppb) to obtain thickness desired or needed for adequate suspending ability for LCM or Barite. Extra Diacel D<sup>®</sup> will help make a better slurry.

NOTE: The Diaseal M<sup>®</sup> or Diacel D<sup>®</sup> slurries may be mixed with whatever type water is in use in mud. If oil mud is in use, then make-up oil can be used to compound slurry; however, this should be pilot tested.

GIS:jg 12/11/81

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GENERAL PROCEDURE FOR USING WEIGHTED DIASEAL M<sup>®</sup>  
OR "MODIFIED" DIASEAL D<sup>®</sup> SLURRY

- 1) Mix slurry according to attached tables, adding Diaseal M<sup>®</sup> or Diaseal D<sup>®</sup>, Barite and LCM in order. If this is an oil slurry, a minute amount of oil wetting agent will be needed to lower viscosity as Barite (water wet particle) is added. A separate mixing or blending pit is advisable as well as a pump truck to handle and accurately place weighted slurries.
- 2) Place bottom of drill pipe far enough up into casing (or a safe distance above loss zone if in long open hole section and impractical to be in casing) to displace all of slurry into open hole and bottom of casing. Do not squeeze through bit openings less than 16/32" diameter with LCM in slurry. Open end squeeze is desirable.
- 3) Pick up slurry with pump truck and displace it out of drill pipe with mud. If up in casing when slurry starts out of drill pipe, close B.O.P.'s making sure annulus is full. If RTT's tool is used, it should be set. Either action prevents migration. When slurry hits open hole, slow pump down to 1/2 to 3/4 bbl/min. If in long open hole section, displace and lay slurry just as laying a cement plug. Pull well above displaced slurry or up into casing before closing BOP's on full annulus.
- 4) Stage slurry into formation, a few barrels at a time, pumping at rate of 1/4 bbl/min, hesitating for several minutes. Continue this cycle until pressure begins to build with probable pressure build-ups and bleed-offs. A final holding pressure of 300-900 psi is desirable.
- 5) Hold pressure for two hours before releasing and resume drilling operations.
- 6) a. Where break-down and loss of circulation is a reasonable distance below a casing shoe, run a slurry volume equal to twice open hole volume.  
b. Where loss is on bottom with long open hole section open, run at least 100 bbl slurry volume.
- 7) Slurry remaining in hole after squeeze will not contaminate the mud system nor will it set-up like cement. As mud is circulated past a Diaseal M<sup>®</sup> plug within the formation, the low permeability mud cake will form a final seal over the plug.

FORMULA FOR PREPARING ONE BARREL DIASEAL M<sup>®</sup> OR  
MODIFIED DIASEAL D<sup>®</sup> SLURRY WITH FRESH OR SEA WATER\*

Density Lb/Gal.	Diaseal M <sup>®</sup>		Barite* Sack	Water Bbl.
	Lb.	Sack		
9	50	1.00	0	.87
10	50	1.00	0.6	.84
11	47	.94	1.2	.80
12	42	.84	1.8	.77
13	39	.76	2.3	.74
14	35	.68	2.9	.70
15	31	.62	3.5	.67
16	28	.56	4.0	.63
17	25	.50	4.6	.60
18	22	.44	5.2	.56
19	17	.34	5.8	.52

\*If saturated salt water is used, Barite must be decreased  
0.6 sack per barrel.

FORMULA FOR PREPARING DIASEAL M<sup>®</sup> SLURRY WITH OIL\*

FOR 100 BBL. OF SLURRY

Density Lb/Gal.	Diaseal M <sup>®</sup> Sacks	Barite Sacks	Oil Bbl.
8	88	38	88.0
9	82	88	85.5
10	76	138	83.0
11	70	188	80.5
12	65	238	77.0
13	60	290	74.5
14	54	343	72.0
15	48	397	69.5
16	43	452	67.0
17	38	508	64.5
18	33	565	61.0

\*Because of variations of oil and Barite, pilot tests should be  
made to determine exact formulations. If slurry becomes too  
thick, add up to 1 lb/bbl oil wetting agent to thin.

25 lb/bbl of nut shells can be used in above formulations  
without change. If absorbent lost circulation materials are  
added, the slurry viscosity will increase. This slurry is  
effective without conventional lost circulation materials.

**APPLICATION FOR PERMIT TO DRILL OR RE-ENTER**

RECEIVED

FEB 1 1982

APPLICATION TO DRILL  STRAT TEST      RE-ENTER OLD WELL

O & G CONS. COMM.

PHILLIPS PETROLEUM COMPANY

NAME OF COMPANY OR OPERATOR

P.O. Box 2920 Casper, Wyoming 82602

Address      City      State

Brinkerhoff Signal

Drilling Contractor

3400 Anaconda Tower, Denver, Colorado 80202

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>State Lease #51649 (Huachaca State)</b>	Well number <b>A#1</b>	Elevation (ground) <b>4261 (Est)</b>
Nearest distance from proposed location to property or lease line: <b>660 feet</b>	Distance from proposed location to nearest drilling, completed or applied-for well on the same lease: <b>None on this lease</b> feet	
Number of acres in lease: <b>2480</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>1</b>	

If lease, purchased with one or more wells drilled, from whom purchased:      Name      Address  
**N/A**

Well location (give footage from section lines)      Section—township—range or block and survey      Dedication (Comply with Rule 105)  
**840 FNL & 700 FEL      ne ne      16-T20S-R20E G&SRM      80 Acres**

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

Distance, in miles, and direction from nearest town or post office  
**32 Miles West of Tombstone, AZ**

Proposed depth:      Rotary or cable tools      Approx. date work will start  
**8000'      Rotary      3/15/82**

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

Remarks:      Well Information confidential

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Area Manager of the Phillips Petroleum Company (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.

- 2-Arizona O&G
- 1-Bartlesville Prod
- 1-T.J. Jobin
- 1-File

*D. J. Fisher*  
Signature      D. J. Fisher

Date      January 27, 1982

Permit Number: 794  
Approval Date: 2-17-82  
Approved By: *[Signature]*

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.

Form No. 3

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. 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.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES \_\_\_\_\_ NO  \_\_\_\_\_
5. If the answer to question four is "no," have the interests of all the owners been consolidated by consolidation agreement or otherwise? YES  NO \_\_\_\_\_ If answer is "yes," Type of Consolidation Joint venture
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description	Per lease #, reverse
Phillips, Et Al		
		<b>CERTIFICATION</b>
		I hereby certify that the information above is true and complete to the best of my knowledge and belief.
		Name <u>D. J. Fisher</u>
		Position Area Manager
		Company Phillips Petroleum Co.
		Date January 27, 1982
		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 To be forwarded
		Registered Professional Engineer and/or Land Surveyor
		Certificate No.

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	40#	K-55	Surf	1000'±	0-1000'	As required



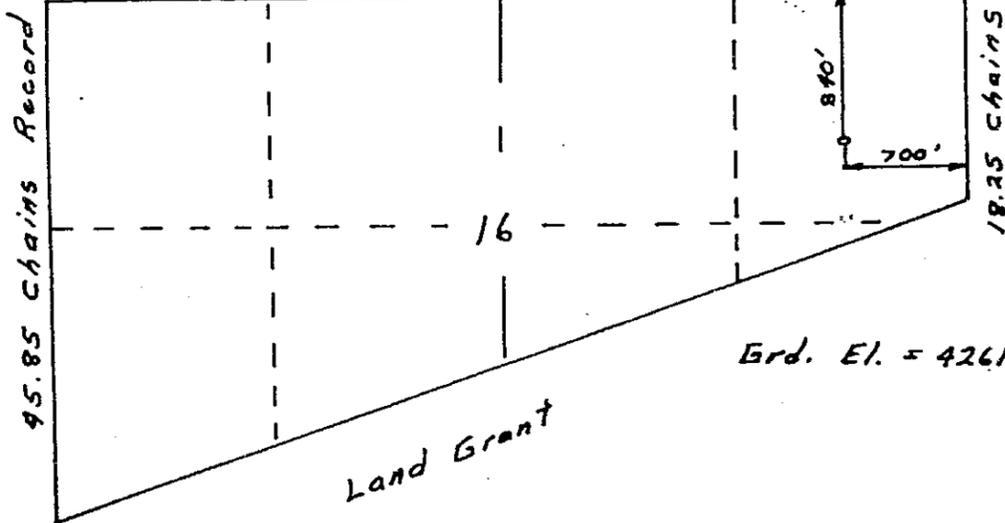
RECEIVED

FEB 2 1982

O & G CONS. COMM.

R. 20 E.

80.00 CHAINS Record



References: 200' North 4260'  
200' South 4261'

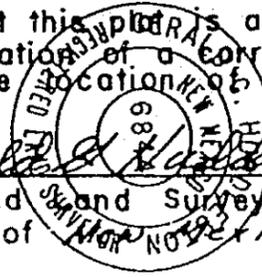
Scale... 1" = 1000'

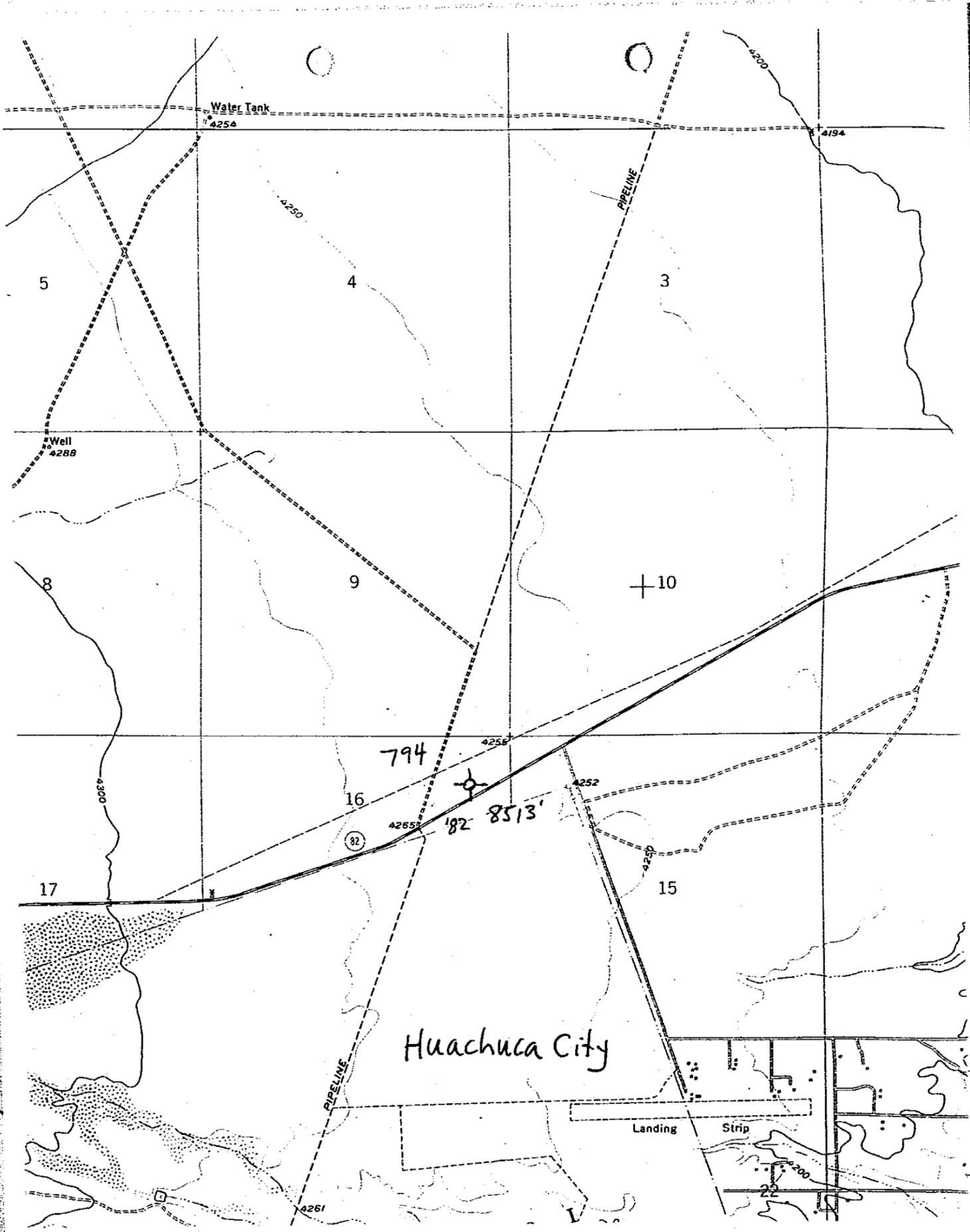
Powers Elevation of Denver, Colorado  
has in accordance with a request from *Frank Lyte*  
for *Phillips Petroleum*  
determined the location of *Huachuca State A*  
to be 840' ENL & 700' FEL Section 16 Township 20 South  
Range 20 East *Gila & Salt River Meridian*  
*Cochise County, Arizona*

I hereby certify that this plat is an  
accurate representation of a correct  
survey showing the location of

Date: 1-25-82

*Donald J. Woodruff*  
Licensed Surveyor No. 6844  
State of *Arizona*







# PERMIT TO DRILL

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

To: PHILLIPS PETROLEUM COMPANY  
(OPERATOR)

to drill a well to be known as

HUACHUCA AL STATE  
(WELL NAME)

located 840' FROM NORTH LINE & 700' FROM EAST LINE (NE NE)

Section 16 Township 20 SOUTH Range 20 EAST, COCHISE County, Arizona.

The N/A 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 1st day of February, 1982.

OIL AND GAS CONSERVATION COMMISSION

By [Signature]  
EXECUTIVE SECRETARY

PERMIT No 794

RECEIPT NO. 2217  
API NO. 02-003-20021

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE



PHILLIPS PETROLEUM COMPANY  
P.O. Box 2920 Casper, Wyoming 82602

February 24, 1982

Mr. A. L. Michaelis  
Box 178  
Evanston, Wyoming 82930

RE: Huachuca State "A" No. 1

The following pertains to drilling the subject "Strat Test".

Status: Tight Hole  
AFE: P-U591  
API No. 02-005-20021  
Location: 840' FNL, 700' FEL, Sec. 16-T20S-R20E  
Cochise County, Arizona

Project T. D. - 8,000'

State Archeological - cleared  
State Agriculture & Horticulture - cleared

Well Site Directions: Approximately 30 miles SE of Tucson, Arizona.  
From Huachuca City go northerly on Highway 90 - 4 miles to Highway 82,  
then easterly on Highway 82 3.0 miles to flagged access on north side  
of road and location.

Surface: John Sands, P.O. Box 95, Glendale, Arizona

Lease: Arizona State #51649

Drilling Contractor: Brinkerhoff Signal No. 9 (Farmington, New Mexico  
(505) 327-5025)

Water: Purchase and haul.

Communications: Motorola Radio link with B'v. Comm. Contact is Ed  
Gilliland (918) 661-9058. Back up is Don Ballew (918) 661-8199. Local  
Service Contact for installation and maintenance is Motorola Service  
Station, Tucson, Arizona, Art Lippolis, Mgr. (602) 624-4423. Business  
Radio License KNBJ-928 covers. Rig phone number 602 \_\_\_\_\_  
Datotek scramblers will be provided.

RECEIVED

FEB 26 1982

O & G CONS. COMM.

CKK  
RAY  
AMB ✓  
OS

794



**PHILLIPS PETROLEUM COMPANY**

DENVER, COLORADO 80237  
8055 EAST TUFTS AVENUE PARKWAY

June 10, 1982

*Rec'd 6-15-82*

A.K. Doss  
Arizona Oil and Gas Conservation  
Commission  
1645 West Jefferson, Suite 4200  
Phoenix, Arizona 85007

Dear Mr. Doss:

With this letter we are sending core chips taken at one foot intervals from cores cut on our current drilling program since our last shipment on April 15. The cores included in this shipment are:

*S/N  
1831  
PIN 794*

HUACHUCA STATE A-1  
NE NE 16-20S-20E, Cochise County *1885-1897, 1899-1906*  
Core 1 - 1885'-1907' (Replacement of samples lost in the mail)  
Core 2 - 4295'-4305' *4295-4305*  
Core 3 - 5757'-5781' *5757-5781*  
Core 4 - 8500'-8513' *8500-8513*

*1833  
PIN 793*

DOUGLAS STATE A-1  
NW NW 14-23S-29E, Cochise County *4448-61*  
Core 1 - 4448'-4461'  
Core 2 - 6055'-6059' *6055-6059*

Any questions regarding these samples or this project should be directed to me at (303) 779-8989, extension 475.

Sincerely,

*Jamie Robinson*  
Jamie Robinson  
Geologist  
Rocky Mountain Region

cc: C.W. Betton  
(r) file

JR/bm



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

April 10, 1984

Mr. David Rhode  
Shell Oil Company  
P. O. Box 831  
Houston, Texas 77001

Dear David:

Per your telephone request to Mr. Rudy Ybarra on April 5, 1984, enclosed you will find logs on the following Phillips Petroleum wells:

Arizona State A-1, Sec. 2, T.7S, R.10E  
Douglas A-1 State, Sec. 14, T.23S, R.29E  
Huachuca A-1 State, Sec. 16, T.20S, R.20E  
Mountain View A-1 State, Sec. 10, T.17S, R.15E  
Redondo A-1 State, Sec. 36, T.17S, R.8E

At the present time, we do not have duplicate logs on the Phillips Tombstone State 1-A, Sec. 14, T.20S, R.23E. I have requested duplicate logs from Phillips and we should be receiving them shortly. However, Rocky Mountain Well Log Service has requested them as soon as they are received. As soon as they return them, I will send them to you.

Would you please sign the attached list of logs as acknowledgement of receipt and return the copy to me. A letter will follow with a bill for the postage.

If I can be of any further assistance, please let me know.

Sincerely,

Sheila Burgan  
Secretary  
Enforcement Section

Enclosures  
Attachment - 2

PHILLIPS PETROLEUM COMPANY LOGS

Arizona State A-1  
Sec. 2, T.7S, R.10E  
Pinal County, Arizona P/N 702

1 each Mud Log, 03/06/80

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Douglas A-1 State  
Sec. 14, T.23S, R.29E  
Cochise County, Arizona P/N 793

1 each Mud Log, 04/18/82

1 each BCSL, Dual Induction, #1, 04/22/82

1 each BCSL, CFDN, Dual Induction, Directional Survey, Dipmeter,  
Directional, Calibrated Velocity Log, Arrow Plot from Cluster  
Program, #2, 06/21/82

---

Huachuca A-1 State  
Sec. 16, T.20S, R.20E  
Cochise County, Arizona P/N 794

1 each Mud Log, 03/26/82

1 each Dual Induction, BCSL, #1, 03/27/82

1 each Dual Induction, BCSL, #2, 05/31/82

1 each Dipmeter, Directional Log, CNFS, #2, 06/01/82

1 each Seismic Velocity Survey & Velocity Log Calibration

---

Mountain View A-1 State  
Sec. 10, T.17S, R.15E  
Pima County, Arizona P/N 796

1 each Mud Log, 06/06/82

1 each Dual Induction, #1, 05/08/82; BCSL, #1, 06/08/82

1 each Dipmeter, BCSL, Dual Induction, #2, 07/19/82; CNFD, Sidewall Core  
Samples, #2, 07/21/82

1 each Velocity Survey W/Calculation of Synthetic Seismogram

---

Redondo A-1 State  
Sec. 36, T.17S, R.8E  
Pima County, Arizona P/N 797

1 each Mud Log, 02/11/82

1 each Dual Induction, BCSL, #1, 02/13/82; CNFD, #1, 03/19/82

1 each Dual Induction, Dipmeter, #2, 03/19/82; BCSL, #2, 03/18/82

1 each Seismic Velocity Survey & Velocity Log Calibration

---

RECEIVED BY: \_\_\_\_\_ DATE \_\_\_\_\_



**PHILLIPS PETROLEUM COMPANY**

DENVER, COLORADO 80237  
8055 EAST TUFTS AVENUE PARKWAY

DATA TRANSMITTAL

TO: OIL AND GAS CONSERVATION COMMISSION  
1645 W. Jefferson Suite 420  
Phoenix, Arizona 85007

DATE: 7 July 1983

Attn: Mr. A. K. Doss

RE: WELL NAME Phillips-Huachuca State A#1  
Sec 16 - 20S 20E  
Cochise County, Arizona

*Mailed*  
*7-29-83*

ENCLOSED PLEASE FIND THE FOLLOWING:

1. \_\_\_ copies of Approved Well Permit
2. \_\_\_ copies of Core Analysis/Description
3. \_\_\_ copies of Drilling History
4. \_\_\_ copies of DST Charts/Reports
5. \_\_\_ copies of Fluid (gas, water, oil) Analysis
6. \_\_\_ copies of Geological Prognosis and Drilling Program
7. \_\_\_ copies of Geological Report
8. \_\_\_ copies of Survey Plat
9. \_\_\_ copies of Well Completion Report
10. \_\_\_ copies of Well Permit Application
11. 2 copies of Field Prints of Logs Oral Induction Run #2 5-31-82
12. 2 copies of Final Prints of Logs Continuous dipmeter #2 6-1-82  
2 copies of final - directional log #2 6-1-82  
2 copies of field - continuous dipmeter #2 6-1-82  
\_\_\_ copies of \_\_\_\_\_  
\_\_\_ copies of \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_

*AK Doss*

DATE: \_\_\_\_\_

7-11-83

PLEASE ACKNOWLEDGE RECEIPT BY SIGNING AND RETURNING THE ENCLOSED COPY TO THE ABOVE ADDRESS. THANK YOU.

Pat Bertuzzi  
Pat Bertuzzi - Development - 7th Floor



**PHILLIPS PETROLEUM COMPANY**

DENVER, COLORADO 80237  
8055 EAST TUFTS AVENUE PARKWAY

DATA TRANSMITTAL

RECEIVED

JUL 1 1983

O & G CONS. COMM.

TO: OIL AND GAS CONSERVATION COMMISSION  
1645 W. Jefferson, Suite 420  
Phoenix, Arizona 85007

DATE: 30 June 1983

Attn: Mr. A. K. Doss

RE: WELL NAME Phillips - Huachuca State A#1  
DC16 - 205 20E  
Colhuise County, Arizona

ENCLOSED PLEASE FIND THE FOLLOWING:

1. \_\_\_ copies of Approved Well Permit
2. \_\_\_ copies of Core Analysis/Description
3. \_\_\_ copies of Drilling History
4. \_\_\_ copies of DST Charts/Reports
5. \_\_\_ copies of Fluid (gas, water, oil) Analysis
6. \_\_\_ copies of Geological Prognosis and Drilling Program
7. \_\_\_ copies of Geological Report
8. \_\_\_ copies of Survey Plat
9. \_\_\_ copies of Well Completion Report
10. \_\_\_ copies of Well Permit Application
11. 2 copies of Field Prints of Logs Borehole Sonic Log Run#1 3-21-82
12. 2 copies of <sup>Field</sup> ~~Final~~ Prints of Logs Borehole Sonic Log Run#2 5-31-82
- 2 copies of Field prints: Compensated Neutron Density Run#2 6-1-82
- 2 copies of Field prints: Dual Induction SFL Run#1 3-21-82
- \_\_\_ copies of \_\_\_\_\_
- \_\_\_ copies of \_\_\_\_\_

RECEIVED BY: AK Doss DATE: 7-1-83

PLEASE ACKNOWLEDGE RECEIPT BY SIGNING AND RETURNING THE ENCLOSED COPY TO THE ABOVE ADDRESS. THANK YOU.

Pat Bertuzzi  
Pat Bertuzzi - Development - 7th Floor



**PHILLIPS PETROLEUM COMPANY**  
 DENVER, COLORADO 80237  
 8055 EAST TUFTS AVENUE PARKWAY

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JUL 27 1983

O & G CONS. COMM.

DATA TRANSMITTAL

TO: OIL AND GAS CONSERVATION COMMISSION  
 1645 W. Jefferson, Suite 420  
 Phoenix, Arizona 85007  
 Attn: A. K. Doss

DATE: 25 July 1983

RE: WELL NAME Phillips Petroleum - HUACHUCA STATE A #1  
Sec. 16-20S 20E  
Cochise County, Arizona

ENCLOSED PLEASE FIND THE FOLLOWING:

1. \_\_\_ copies of Approved Well Permit
2. \_\_\_ copies of Core Analysis/Description
3. \_\_\_ copies of Drilling History
4. \_\_\_ copies of DST Charts/Reports
5. \_\_\_ copies of Fluid (gas, water, oil) Analysis
6. \_\_\_ copies of Geological Prognosis and Drilling Program
7. \_\_\_ copies of Geological Report
8. \_\_\_ copies of Survey Plat
9. \_\_\_ copies of Well Completion Report
10. \_\_\_ copies of Well Permit Application
11. \_\_\_ copies of Field Prints of Logs
12. 2 copies of Final Prints of Logs Mudlog 32' - T.D. 8500'
- 2 copies of Seismic Velocity Survey & Velocity log Calibration
- \_\_\_ copies of \_\_\_\_\_
- \_\_\_ copies of \_\_\_\_\_
- \_\_\_ copies of \_\_\_\_\_

RECEIVED BY: *AKD* DATE: 7-27-83

PLEASE ACKNOWLEDGE RECEIPT BY SIGNING AND RETURNING THE ENCLOSED COPY TO THE ABOVE ADDRESS. THANK YOU.

*Pat Bertuzzi*  
 Pat Bertuzzi - Development - 7th Floor



OFFICE OF

**Oil and Gas Conservation Commission**  
STATE OF ARIZONA

1645 WEST JEFFERSON, SUITE 420  
PHOENIX, ARIZONA 85007  
PHONE: (602) 255-5161

June 10, 1982

Mr. D. J. Fisher  
Area Manager  
Phillips Petroleum Company  
P.O. Box 2920  
Casper, Wyoming 82602

Re: Huachuca A1 State                      Douglas A1 State  
Cochise County, Arizona                  Cochise County, Arizona  
State Permit No. ~~794~~                      State Permit No. 793

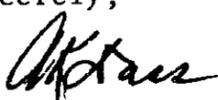
Dear Mr. Fisher:

This is your permission to revise the APD's on the above referenced wells accordingly:

1. Huachuca A1 State to 8500' TD approximately.
2. Douglas A1 State to 7000' TD approximately.

If we may be of further service, please advise.

Sincerely,

  
A. K. Doss  
Executive Director

AKD/vb



**PHILLIPS PETROLEUM COMPANY**  
P. O. Box 2920  
Casper, WY 82602

*AKS*  
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**JUN 9 1982**

**O & G CONS. COMM.**

June 7, 1982

Mr. A. K. Doss  
Oil and Gas Commission  
State of Arizona  
1645 W. Jefferson  
Suite 420  
Phoenix, Arizona 85007

RE: Huachuca State "A" No. 1  
Cochise County, Arizona

Dear Mr. Doss:

The subject "Strat" test was approved to drill to 8,000' TD by your office. The well has been running lower than projected and it is requested the APD be revised to 8500' TD, approximately.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

*D. J. Fisher*  
D. J. Fisher  
Area Manager

FGL/fb

February 2, 1982

Mr. D. J. Fisher  
Phillips Petroleum Co.  
P.O. Box 2920  
Casper, Wyoming 82602

Dear Mr. Fisher:

Enclosed are approved application for permit to drill, permit to drill, and receipt for the following six strat wells:

<u>Permit No.</u>	
793	Douglas Al State
794 ✓	Huachaca Al State
795	Kirkland Al State
796	Mtn View Al State
797	Redondo Al State
798	Safford Al State

As requested, this Commission has approved a one-year extension of the drilling permits issued February 1, 1982, on the above wells.

If we can be of further service, please advise.

Sincerely,

A. K. Doss  
Executive Director

/os  
Enc.



**PHILLIPS PETROLEUM COMPANY**

P. O. Box 2920  
Casper, WY 82602-2920

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JAN 1 1982

O & G CONS. COMMI.

January 27, 1982

Mr. A. K. Doss  
Oil & Gas Conservation Commission  
State of Arizona  
1645 West Jefferson  
Suite 420  
Phoenix, AZ 85007

Re: Applications For Permit  
To Drill Various Counties,  
Arizona.

Dear Sir:

Enclosed are APD's to drill the following six "strat" wells:

794 Douglas State "A" No. 1  
Huachaca State "A" No. 1  
Kirkland State "A" No. 1  
Mtn. View State "A" No. 1  
Redondo State "A" No. 1  
Safford State "A" No. 1

As approved by you in a telephone conversation with Frank Lyte, of this office, on January 25th, the certified plats are being prepared by the surveyor and will be mailed to you as soon as received in this office. As previously done by the A.O. & G.C., granting a one year extension to these six permits is respectfully requested.

Your continued cooperation in expediting approvals by your office and other Arizona State agencies will be appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

  
D. J. Fisher  
Area Manager

FGL/jj

Enclosure