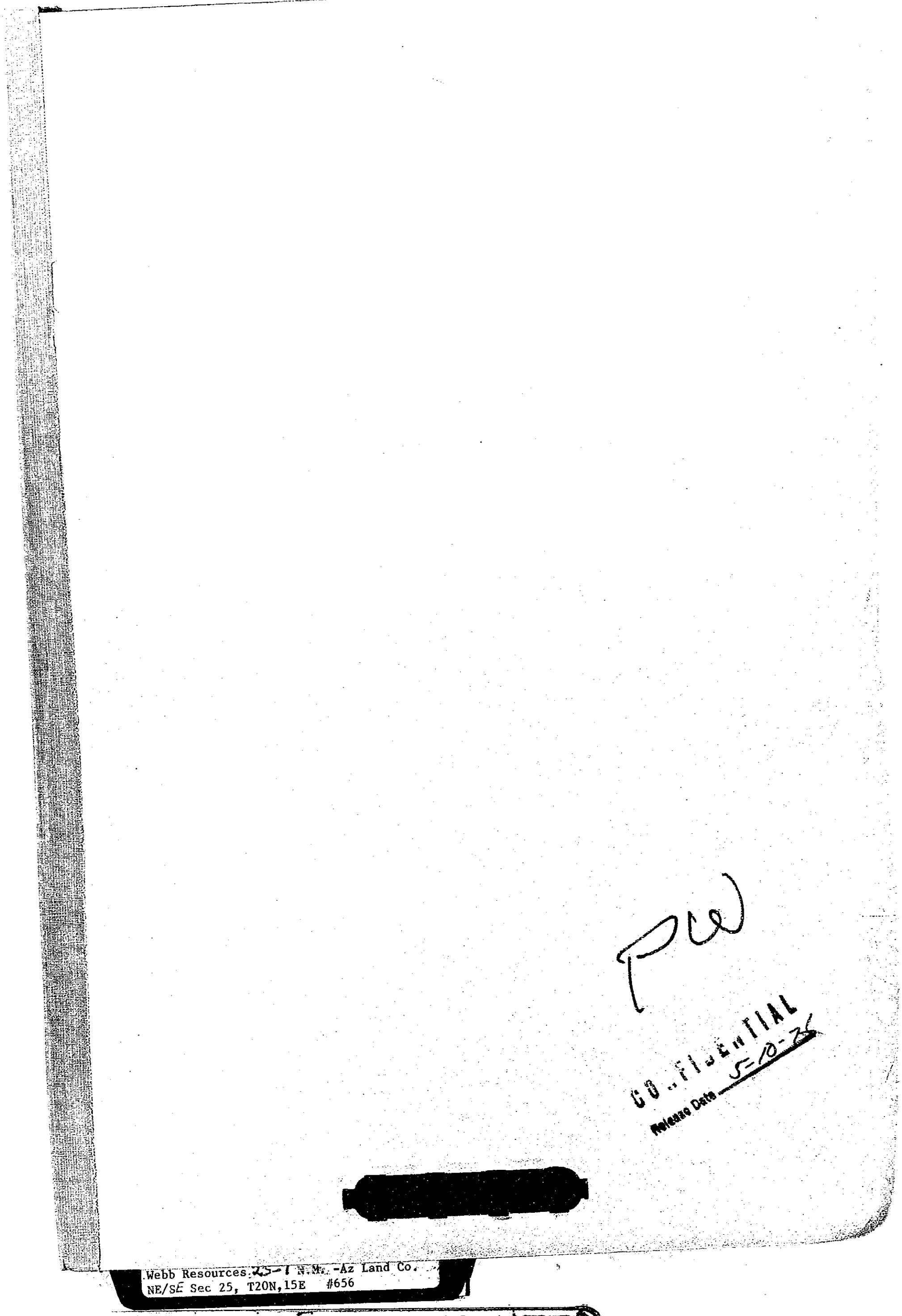
CONFIDENTIAL
Release Date 5-10-84
Webb Resources 25-1 N.M. -Az Land Co.
NE/SE Sec 25, T20N,15E #656

COUNTY Navajo AREA ± 6 mi N. Winslow LEASE NO. New Mexico-AZ Land Co.

WELL NAME Webb Resources, Inc. 25-1 A New Mexico-AZ Land Company [redacted]

LOCATION NE/SE SEC 25 TWP 20N RANGE 15E FOOTAGE 1988 FSL 847 FEL

ELEV 4855.6 GR ____ KB SPUD DATE 2-3-76 STATUS P&A 3-3-76 COMP. DATE 3-3-76 TOTAL DEPTH 3796'

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH
8 5/8	590.69'	545 SKS	NA

DRILLED BY ROTARY x
DRILLED BY CABLE TOOL ____
PRODUCTIVE RESERVOIR ____
INITIAL PRODUCTION ____

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS
Coconino	272'		x	
Supai Trans.	900'			
Supai	1080'			See Geological Report
Penn.	2416'			
Naco	2997'			
Miss	-			
Redwall	3551'			
Devonian	3621'			
Pre-Cambrian	-			
Metasediments	3697'			
Granite	3767'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS
Mud Log, Dual Induction, Densilog		
Constant		

SAMPLE LOG ____
SAMPLE DESCRP. ____
SAMPLE NO. 1753
CORE ANALYSIS ____
DSTs ____

REMARKS additonal 6 months confidentiality granted 4-22-76

APP. TO PLUG x
PLUGGING REP. x
COMP. REPORT x

WATER WELL ACCEPTED BY ____

BOND CO. USF&G BOND NO. 19-0130-2102-75

BOND AMT. $ 25,000 CANCELLED ____ DATE ORGANIZATION REPORT x

FILING RECEIPT 0578 LOC. PLAT x WELL BOOK x PLAT BOOK x

API NO. 02-017-20013 DATE ISSUED 1-30-76 DEDICATION N/2 SE/4

PERMIT NUMBER 656

(over)

CONFIDENTIAL

Release Date 5-10-76

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: Webb Resources, Inc.	Address: 2200 First of Denver Plaza , Denver, Colo. 80202
Federal, State or Indian Lease Number or name of lessor if fee lease: NMAL	Well Number: 25-1
	Field & Reservoir: Wildcat
Location: NE SE Sec. 25-20N-15E	County: Navajo
Sec. TWP-Range or Block & Survey: 1988' FSL & 847' FEL	

Date spudded	Date total depth reached	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.) feet	Elevation of casing hd. flange feet
2-3-76	3-2-76	P&A 3-3-76	4855.6 G.L.	---

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
3796'	-----	----------	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
na	0-3796'	---

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
no	no	no	-

Type of electrical or other logs run (check logs filed with the commission)	Date filed
Mud Log, Dual Induction, Densilog	3-2-76

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
Surface	12¼	8-5/8"	24#	597'	545' sxs	none

TUBING RECORD

Size	Depth set	Packer set at
in.	ft.	ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.		

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

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'ted 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 Chief Geologist of the Webb Resources, 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: March 30, 1976

Signature: Wm A. Falconer

Permit No. 656

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

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Coconino	272'		
Supai Trans.	900'		
Supai	1080'		
Penn	2416'		
Naco	2997'		
Mississippian	----		
Redwall	3551'		
Devonian	3621'		
Pre-Cambrian	----		
Metasediments	3697'		
Granite	3767'		
LOST CIRCULATION ZONES:			
Top Coconino	360'		
Coconino	481'		
Supai	1413'		
Supai	2315'		
	2318'		

* 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 drillers 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 & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

PLUGGING RECORD

Operator	Address
Webb Resources, Inc.	2200 First of Denver Plaza, Denver, Colo 80202

Federal, State, or Indian Lease Number, or lessor's name if fee lease.	Well No.	Field & Reservoir
NMAL	#25-1	Wildcat

Location of Well	Sec-Twp-Rge or Block & Survey	County
NE SE 25-20N-15E (1988' FSL & 847' FEL)		Navajo

Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbls/day)	Gas (MCF/day)	Dry?
Webb Resources, Inc.	no			yes

Date plugged:	Total depth	Amount well producing when plugged: Oil (bbls/day)	Gas (MCF/day)	Water (bbls/day)
3-3-76	3796'			

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	water	1430	15 sxs
		1070	15 sxs
		599	30 sxs
		Top surface	5 sxs

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
8-5/8"	590.69'	none	590.69'	NA	NA

Was well filled with mud-laden fluid, according to regulations?

Indicate deepest formation containing fresh water.

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

Name	Address	Direction from this well:
New Mexico-Arizona Land Company	Camel Square, Suite 140-B 4350 East Bamelback Road Phoenix, Arizona	

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 Chief Geologist of the Webb Resources, 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.

March 30, 1976
Date

Wm A. Falcon
Signature

Permit No. 656

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

Form No. 10

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat

OPERATOR Webb Resources, Inc. ADDRESS 633 17th Street, Suite 2200 First of Denver Plaza, Denver, Colo 80202

Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease NMAL WELL NO. #25-1

LOCATION NE SE Sec. 25-20N-15E (1988' FSL & 847' FEL) Navajo County, Arizona

TYPE OF WELL DRY HOLE (Oil, Gas or Dry Hole) TOTAL DEPTH 3796'

ALLOWABLE (If Assigned)

LAST PRODUCTION TEST OIL (Bbls.) WATER (Bbls.)

GAS (MCF) DATE OF TEST

PRODUCING HORIZON PRODUCING FROM TO

1. COMPLETE CASING RECORD

Ran 13 joints 8-5/8" casing (surface) total 590.69'. Cemented at 597' KB with 545 sacks cement class "B" w/2% cc. Plug down at 7:30 P.M. 2-10-76

2. FULL DETAILS OF PROPOSED PLAN OF WORK DATE OF WORK March 3, 1976

Set the following Plugs:
#1 1430 (15 sxs)
#2 1070 (15 sxs)
#3 599 (30 sxs)
#4 Top/ surface casing (5 sxs)

Surface Lessee (Mike Ohaco) wants to take over location for water well.
He will contact Arizona Oil & Gas Commission regarding Water Release forms.

DATE COMMENCING OPERATIONS March 3, 1976

NAME OF PERSON DOING WORK Halliburton ADDRESS Farmington, New Mexico

Signature William A. Falconer

Title Chief Geologist, Webb Resources, Inc.

Address First of Denver Plaza, 633 17th Street, Denver, Colorado 80202

Date March 3, 1976

Date Approved 3-7-76

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By:

Permit No 656

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9

RECEIVED
MAR 8 1976
O & G CONS. COMM.

TO: Oil and Gas Conservation Commission
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the New Mexico & Ariz. Land Co. 25-2 located on the NE¼SE¼ of Section 25 Township 20N Range 15E County of Navajo Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of the above well, including final plugging, in full compliance with the Rules and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any applicable requirements of U.S. Geological Survey.

Signature M. J. O'Haco
Address Box AX
Winslow, Arizona

- - - - - - - - - - - -

State of Arizona
County of Navajo

On this, the 9th day of March, 19 76, bevore me, T. E. Smithson, the undersigned officer, personally appeared M. J. O'Haco, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that He executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public T. E. Smithson
My Commission expires My Commission Expires Sept. 29, 1977

Permit No. 656

State of Arizona
OIL & GAS CONSERVATION COMMISSION
WATER WELL ACCEPTANCE
Form 26 - File one copy

Duplicate

GEOLOGICAL REPORT

Webb Resources No. 25-1 New Mexico & Arizona Land Company
NE SE Section 25-T20N-R15E
Navajo County, Arizona

March, 1976

Prepared by: Warren E. Carr
P. O. Box 32436
Oklahoma City, OK 73132

656

DRILLING SUMMARY

Well Name: Webb Resources No. 25-1 New Mexico & Arizona Land Company

Location: 1988' FSL, 847' FEL Section 25-T20N-15E Navajo County, Arizona

Elevation: 4855.6 Ground
4863 KB

Total Depth: 3796' Driller
3797' Logger

All Measurements from Kelly Bushing

Spud: 2-3-76

Complete: 3-3-76, D & A

Drillstem Tests: None

Cores: None

Logs: Mud log, surface to total depth; Dresser Atlas Dual Induction 604-3795', Densilog 604-3795 (Gamma Ray to Fluid Level at 90')

Sample/Gas Detector Shows:

27'; very slight show helium, by chromatograph
116'; " " " "
216'; " " " "
329'; " " " "
800'; " " indication of hydrocarbon gas
1065'; " " show helium
1138- 91'; " " indication of " "
1456- 64'; " " " " " "
1945- 68'; " " " " " "
2161-2230'; " " " " " "

NOTE: All shows are judged to be insignificant

Lost Circulation Zones:

360', near top of Coconino, regain after 2 hrs, 45 mins
481', Coconino " " 1 hr, 30 mins
1413', Supai " " 3 hrs, 25 mins
2315', Supai ? } " " 10 hrs, 20 mins
2318'

Lost Time, Hole Problems:

Twist off at 603'. Ream key seat in Coconino prior to running surface casing, twisted off, stuck drill pipe, fishing job at 1832'

Formation Tops:	Sample/Drlg Time	E-Log	Datum
Triassic			
Moenkopi Surface			+4863
Permian			
Coconino Sandstone	358'	272'	+4591
Supai Transition		900'?	+3936
Supai		1080'?	+3783
Pennsylvanian		2416'?	+2447
Naco		2997'	+1866
Mississippian			
Redwall		3551'	+1312
Devonian		3621'	+1242
Pre-Cambrian			
Metasediments		3697'	+1166
Granite		3767'	+1096

Hole Design: 12½" hole to 737', Ran 13 joints 8-5/8" casing (590.69'). Cemented at 597' KB with 545 sacks class "B" cement with 2% C.C., circulated, plug down at 7:30 P.M. 2/10/76. Drill 7-7/8" hole to total depth.

Drilling Time: See Mud Log

Sample Description, Bit Record, Mud Record: See Appendix

GEOLOGY

Structure

Inasmuch as there is no nearby control on top of Coconino Sandstone, the Toltec Divide is neither confirmed or altered as expressed by surface mapping prior to drilling the No. 25-1. Though datum on Coconino is somewhat higher than predicted, the circumstance resulted from inaccurate estimate of Moenkopi thickness. Closest Coconino penetration is a water well in Section 24-T20N-R16E; the No. 25-1 NMAL is 191' high on top of Coconino.

Deeper drilling is more distant; the nearest test located about 21 miles south, affording no support for persistence of anomalous structure with depth. However, since most formation tops to the top of Devonian conform with prognosis depths, it is assumed that the anticlinal feature as shown by surface mapping exists at deeper levels.

Stratigraphy

Moenkopi: Surface of the subject location is 35 to 40' below the top of this Triassic Unit indicating an approximate thickness of 310'. Moenkopi is comprised of interbedded reddish-brown argillaceous siltstone and very fine grained sandstone with partings and thin beds of light greenish-gray claystone. Minute bonds of white gypsum are common, particularly in the lower one-third. Because of sample quality, no attempt is made to distinquish the Holbrook, Mogni and basal sandstone members. Presence of very low volume gas containing helium was indicated by chromatograph while drilling Moenkopi. Because of increasing overburden northward, and occasional sandstone beds with low-order porosity, it is possible that commercial helium accumulations could occur downdip.

Permian: While there was reason to suspect presence of a thin, erosional remnent of Kiabah Limestone, top of the Permian was found to be Coconino Sandstone. The upper several hundred feet were observed to be typical of outcropping sandstone; i.e., very light buff in color and fine grained. Recovered sand was almost totally unconsolidated. Coutrary to litholopical characteristics of upper Supai to the south and east, succeeding beds are very similar to Coconino Sandstone, and definition of a contact or even recognition of a transitional phase of deposition is not clearly established. First reddish hues were observed at about 1200', perhaps coincident with raising mud viscosity near that depth. In any case there is inordinate thickness of sandstone underlying the drillsite; future work might establish correlation of lower sections with DeChelly Sandstone of the Four Corners Area. Prior to drilling, a Permian shelf position with respect to the southeastward evaporite basin was anticipated. Abscence of halite and the very few thin anhydrite - carbonite beds confirm a basin margin location obviously to far shelfward to have received massive carbonate deposition. Below sandstones in the upper 500' of Supai Transition - upper Supai, sediments are dominated by light reddish-brown claystone-siltstone with some relatively thin interbeds of very fine grained reddish sandstone with considerable clay content. A few porous zones are indicated by samples and E-Logs but no shows of oil, gas or helium were observed.

Pennsylvanian: Content of Permian with Pennsylvanian is arbitrarily called at 2416' based on higher expression of resistivity by the induction log. While subtle lithologic

changes were noted in samples near this point, no distinctive "break" in color, lithology or fauna was recognized. A possible exploration for increase resistivity with depth would be higher calcareous content in the older sediments. Top of Naco, at 2997, is similarly portrayed through cuttings provide a more secure basis for destinction of upper limit of this formation. Low order porosity is indicated in several thin limestone beds in Naco, but no encouragement emerged from sample shows or gas detective equipment. Generalized description of Naco is a sequence of varicolored limestones, occasionally sandy and dolomitic, with alternating beds of dark reddish brown silty claystone. Massive character of any type is lacking, and possibility for nearby reservoir development appears to be limited.

Mississippian: Redwall Limestone was encountered at 3551', predominately a white fairly crystalline, porous limestone with few impurities except in the upper part which contains reddish clay and siltstone infiltrated in the karst Mississippian surface. Though reservoir characteristics are adequate to contain commercial hydrocarbons, no shows were found and logs indicate thorough water saturation.

Devonian: These sediments are mostly varicolored shales, though a clean bed of dolomite appeared from 3674 to 3692'. Maximum porosity is 8 percent and in view of the lack of shows it is believed this zone offers little local promise.

Pre Cambrian: Weakly metamorphosed sediments from 3697 to 3767 are presumed to be younger Pre-Cambrian in age. Some shales in this interval are schistose in appearance, accompanied by brittle redbeds which appear to have been subjected to moderately elevated temperatures. Alteration products suggest that part of the metamorphosed sediments were granite wash. Dark red granite was found at 3767'.

CONCLUSIONS

1) Presence of anomalous structure at all levels is probably supported by results of this test. However, this condition may be of little importance because of the disappointing sedimentary sequence penetrated by the No. 25-1 NMAL.

BIT AND DEVIATION RECORD

NO.	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE	HOURS	DEVATION
A-1	STC	12 1/4	K2HJ	603'	603'	29 1/2	
A-2	STC	12 1/4	S4TJ	737'	134'	6 1/4	2 1/2°
1	STC	7 7/8	SDT	1193'	456'	24 1/4	1 °
2	STC	7 7/8	SDT-J	1646'	453'	22 3/4	1 °
3	STC	7 7/8	DT-J	1832'	186'	11 1/4	1/4°
4	STC	7 7/8	DG-J	2180'	248'	18 1/2	1 °
5	STC	7 7/8	F2-J	3021'	841'	97	1 1/4°
6	HTC	7 7/8	J-22	3693'	672'	107	1 3/4°
7	HTC	7 7/8	J-33	3796'	103'	17 1/3	1 3/4°

MUD DETAIL

	SACKS	APPROX COST PER UNIT	
Gel	529	6.25	3,306.25
Bicarb	2	23.85	47.70
Bennex	3	12.25	36.75
Caustic	39	22.95	895.05
Cedar Fib	136	8.46	1,150.56
Multi Seal	49	11.80	578.20
RHEO-CON	18	24.50	441.00
CMC HV	5	130.00	650.00
Soda Ash	2	20.90	41.80
Perservative*	1	54.70	54.70

* Not used in system - damage on location

Al. Stearate	2	46.90	93.80
Pro Fib	112	11.00	1,232.00
No Stick	45 gal	14.70	661.50
Driscose	10	118.00	$ 1,180.00
			$10,369.31
		+ 5% Tax	518.47
			$10,887.78
		+ Trucking	913.48
			$11,801.26

Materials from old location also used,
But not included above:

Mud Fiber	48 sacks
Chip Seal	38 sacks
Gel	102 sacks
Lime	5 sacks
Cedar Fiber	25 sacks

Webb Resources No. 25-2 NMALC
NE SE 25-T20N-R15E
Navajo County, Arizona

SAMPLE DESCRIPTION

spud in Moenkopi Formation

0-10	ss, VFG-FG-OCC MG, wh-salmon, soft, fri, clayey sm wh amorphgyp
10-20	same
20-30	ss AA, sm rdsh-bn sty clystn
30-40	same
40-50	same
50-60	spl mostly mixture of unconsol VFG ss and rdsh-bn clystn latter probably predominates
60-70	same
70-80	same
80-90	same
90-00	AA, incr sd grain size
100-10	same
10-20	same
20-30	pred r-b clystn, in pt sty, sm lt gnish gy clystn, selenite & white gyp common, unconsol ss AA
30-40	AA, incr uncon sd VFG-FG-MG
40-50	AA decr sd
50-60	r-b & gnish gy clystn AA, abdt gyp-selenite
60-70	AA, est 40% gyp
70-80	same
80-90	clystn AA (25) gyp (5) pred uncon sd w/abdt frosted LG qtz grains
90-00	as 60-80
200-10	no spl
10-20	pred ss, buff, FG-MG-pred LG, R-SR loosely consol, clayey, sm gyp, sm clystn AA
20-30	clystn, incr green (60) sd AA, pred uncon (15) gyp-selenite (25)
30-40	clystn, pred r-b (75) uncon sd (15) gyp-sel (10)
40-50	clystn AA, tr sd, gyp-sel (10)
50-60	same
60-70	same
70-80	AA, r-b clystn incr sty, sli incr gyp
80-90	same
90-00	same
300-10	ss & sd uncon FG-MG-CG pred clear-transl, few FQG (60) & clystn AA (40) gyp common
10-20	AA incr consol ss
20-30	incr sd & ss, decr grain size
30-40	poor spl-same?
40-50	dk r-b sty clystn, sm lt gnish-gy clystn, tr sd & ss AA, gyp common

350-60 sd, buff VFG-FG-rare MG, uncon. Top/Coconino 358'

Lost Circulation @360'

60-70 poor spl-as above?
70-80 uncon sd AA, lighter in color
80-90 same
90-00 same
400-10 same
10-20 same
20-30 AA, decr grain size
30-40 AA, VFG-FG
40-50 same
50-60 same

Lost Circulation @464'

60-70 uncon sd buff VFG w/r-b sty clystn (contam?)
70-80 same
80-90 AA, sm consol ss buff VFG-FG
90-00 AA, incr consol ss
500-10 AA, decr consol, decr contam
10-20 same
20-30 same
30-40 same
40-50 AA sli incr grain size, lighter in color
50-60 same
60-70 considerable r-b & gnish gy sty clystn-contam?
70-80 same
80-90 sd uncon wh-lt buff FG-occ MG R-SR
90-00 no spl
600-10 as 80-90
10-20 sd AA w/intb dk gy-blk-sm rdsh mic sty sdy sh
20-30 same
30-40 ss wh-gy VFG-FG sm w/wh cly cem & sh AA
40-50 ss cleaner, good 1GR por, sm sh AA
50-60 AA, decr poro
60-70 AA, few blk sdy incls
70-80 same
80-90 ss AA clean VFG-FG
90-00 ss AA incr VFG
700-10 ss AA w/small incls brick-red cly, ss firm, gyp cem
10-20 same
20-30 AA, decr cly incls
30-40 same
40-50 sd uncon pred FG w/consid cement & metal cuttings
50-60 sd uncon wh-buff VFG-FG
60-70 same
70-80 sd uncon incr grain size, abdt metal cuttings
80-90 sd uncon as 40-50

790-00 AA, abdt metal cuttings
800-10 same
10-20 same
20-30 AA, few incls brick-red clystn
30-40 AA, decr clystn
40-50 sd AA, little clystn AA
50-60 AA, incr metal cuttings
60-70 AA, incr consol ss, much metal & cement
70-80 AA, decr cement
80-90 AA, spl pred cement
90-00 AA, rare cement
900-10 sd, ss AA, much metal & tr cement
10-20 AA decr metal
20-30 same
30-40 same
40-50 AA, typ common
50-60 AA, tr gyp
60-70 same
70-80 same
80-90 same
90-00 same
1000-10 sd AA, consid metal & cement
10-20 same
20-30 same
30-40 same
40-50 same
50-60 same
60-70 same
70-80 same
80-90 same
90-00 same
1100-10 AA, rare metal & cement cuttings
10-20 same
20-30 same
30-40 same
40-50 same
50-60 same
60-70 same
70-80 sd incr salmon in color
80-90 same
90-00 same
1200-10 ss r-b VFG OCC FG, sty-spl w/much metal cuttings & common cement
10-20 ss, salmon & r-b, VFG-FG, firm, clay cem
20-30 ss AA, incr grain size
30-40 same, cement common
40-50 AA, much LCM
50-60 ss AA
60-70 same
70-80 same
80-90 same
90-00 same
1300-10 same
10-20 ss AA sli incr amorph gyp, incr grain size
20-30 same
30-40 same
40-50 same

1350-60 AA, decr consol ss
60-70 same
70-80 same
80-90 same
90-00 AA, decr grain size, incr consol
1400-10 AA, tr dk r-b mic clystn, decr consol
10-20 same, tr cement
20-30 same
30-40 ss bcm lighter in color incr consol, much LG qtz xls
40-50 same
50-60 ss, salmon-r-b sty, VFG-FG, firm, cly cem, tr gyp
60-70 ss AA incr cly content, tr LG-sm grains SR
70-80 same
80-90 ss AA & dol lt gy, dnse sty sdy poss foss
90-00 ss AA, dol AA, sm purp sts, clayey, mic
1500-10 ss, salmon-rb sty-VFG, clayey & thin intbds sdy dol AA
10-20 sts, r-b mic clayey w/15% ss AA
20-30 AA, tr gy sty dol, dnse, foss?
30-40 AA, tr wh sty, VFG ss
40-50 same
50-60 AA, sli incr wh & r-b ss
60-70 same
70-80 r-b sts AA gdg to VFG clayey ss, sm wh & salmon ss AA
80-90 same
90-00 same
1600-10 r-b sts bcm incr clayey, decr ss, tr dol
10-20 same
20-30 same
30-40 same
40-50 same
50-60 same
60-70 sts AA & sdy sts, wh (25)
70-80 r-b sts AA (90) wh sdy sts (10)
80-90 intb r-b & wh sts
90-00 same
1700-10 r-b sts bcm incr clayey, decr wh sts
10-20 same
20-30 AA, sm wh & gnish gy sts
30-40 same
40-50 AA, tr wh & gnish gy sts
50-60 AA, tr gyp
60-70 AA, no gyp
70-80 same
80-90 same
90-00 r-b AA, sli incr gnish gy sts, tr gyp
1800-10 same
10-20 same
20-30 same
30-40 AA & sdy sts varic pred r-b, sm prup (PURP) v clayey tr pale orange ch, tr ss pred LG clear-transl
40-50 AA, incr LG ss

1850-60 AA, tr lt gy dnse sty, sdy dol
60-70 same
70-80 AA, ss decr grain size tr dk org-bn ch
80-90 same
90-00 r-b bcm incr sty, tr wh & gnish gy sts, tr LG ss AA
1900-10 same
10-20 same
20-30 AA, tr org-bn ch
30-40 same
40-50 AA no vis ch, tr blk iron mineral-soft, plty
50-60 r-b clystn, sty
60-70 AA, rare gnish-gy sts
70-80 same
80-90 same
90-00 AA, tr gyp
2000-10 same
10-20 AA, sli incr gnish gy sts (5), tr gyp
20-30 r-b AA, rare gnish gy sts
30-40 AA, incr gnish gy & v lt gy sts, tr gyp
40-50 same
50-60 same
60-70 same
70-80 same
80-90 same
90-00 r-b sts decr sty, sm gnish ty sty clystn, tr gyp
2100-10 same
10-20 AA, tr selenite
20-30 AA, no selenite
30-40 same
40-50 same
50-60 same
60-70 AA, incr sty
70-80 same
80-90 same
90-00 same
2200-10 same
10-20 AA, sm v mic
20-30 same
30-40 AA, tr ss wh FG w/tr poro
40-50 AA, no ss, rare gnish gy sty clystn
50-60 same
60-70 AA, rare LG qtz grains
70-80 AA, tr wh FG ss no vis poro
(see above for circ spl, logged spl & 2280-90)
90-00 same
2300-10 clystn, r-b, in pt v sty, mic gdg to VFG r-b ss
10-20 AA occ v mic & small amount lt gnish gy sty clystn rare so wh FG w/tr poro, few free LG qtz grains
20-30 AA & tr dol lt gy, dnse-fx, sty, sdy
30-40 AA, sli incr dol, tr lt org-bn ch, tr purp sts

2340-50 AA, incr FG & LG ss, decr dol
50-60 AA & sm v calc dk r-b clystn gdy to dol w/high clay content
60-70 incr dark r-b calc clystn, decr ss, rare lt gy dol
70-80 same
80-90 AA & sts mtld wh-pale orange (10). Dark r-b calc clystn predominates, tr LG qtz ss, tr lt gy sdy dol
90-00 AA, decr wh-org mtld sts
2400-10 dk r-b calc clystn AA, sm bcm purp, rare lt gy dol AA
10-20 " " " " " & dol lt gy dnse, sm gy & reddish mtld dol
20-30 AA, sli decr dol
30-40 sli incr dol-thin intbds dk r-b calc clystn & dol
40-50 same
50-60 AA, dol incr, LIMEY decreasing
60-70 same
70-80 AA, tr wh FG SS, tr gyp
80-90 AA, no ss
90-00 AA, incr dnse dolic ls
2500-10 sts, med rdsh bn, v clayey, in pt sdy, tr clayey ss
10-20 as 2490-2500
20-30 dolic ls AA incr to (70), sm v sdy, in pt foss
30-40 incr purp dolic ls, dk r-b calc clystn grades to purp
40-50 ls decr to (10)
50-60 AA, tr gyp
60-70 dolic ls, varic, dnse (50); clystn AA (50) tr gyp
70-80 same
80-90 dolic ls decr (30) sty calc clystn AA (70), tr gyp
90-00 dolic ls decr (10) sty calc clystn AA (90), rare gyp
2600-10 tr dolic ls,tr gyp
10-20 clystn AA incr sty, tr gyp
20-30 same
30-40 same
40-50 dolic ls, pred lt-med gy w/small reddish incls, foss in pt sty (30) clystn AA w/occ imbedded MG-CG gty (70) tr gyp
50-60 ls AA (30), clystn AA & clystn gy w/lavender cast sm w/inbedded himatih ? grains
60-70 same
70-80 AA, tr pale cherty dol
80-90 decr dolic ls (tr), decr gy clystn (tr) clystn R-B lit-med, dk AA
90-00 AA, tr med-gy wxy clystn
2700-10 ls AA & pale gy dnse foss (15) R-B clystn AA, gyp common
10-20 ls AA (40) R-B clystn AA, occ slicken surface
20-30 Ls AA (20) R-B AA, lt mud gy wxy clystn breaks in slivers (10) tr gyp
30-40 ls AA (10) R-B AA, tr gy wxy clystn, tr gyp
40-50 tr ls AA, " " " " "
50-60 R-B AA, incr sty, occ sdy,sm gy sty clystn w/inb himatih ? grains
60-70 R-B decr sty, incr calc, dec gy sty clystn, sm med-gy wxy clystn
70-80 same
80-90 R-B incr sty, tr gy sty clystn, tr varic dolic ls AA, tr gyp
90-00 same
2800-10 ls, wh-pink-rdsh mtld, dense sm w/claying,in pt sty, sdy (50) R-B AA (50)tr wh-lt gy sts w/sm lt R-B strks & incls
10-20 AA, wh sts gdy to VFG Ss
20-30 ls AA (30) R-B AA w/sm inb himatite grains, tr gy sty clystn w/few inb small blk grains, tr lt gnish gy wxy sh
30-40 ls, lt gy occ redsh dnse sm cly (30) R-B sty w/mm slicken surfaces (70) tr sty gy clac sh

[redacted]

[redacted]

[redacted]

2840-50	same
50-60	AA, ls incr-rdsh incr (50) tr wh-lt gnish gy sts
60-70	ls AA (10) R-B AA w/slicken surf (90) tr gyp
70-80	same
80-90	AA, incr ls (30)
90-00	AA tr lt-med gy sty clystn, tr gyp
2900-10	same
10-20	AA, tr pale gy-tan litho ls
20-30	AA, T-B decr sty, bcm darker grds to maroon
30-40	decr ls (10) darker R-B AA (90), tr gy sty calc clystn AA
40-50	Same
50-60	tr ls AA
60-70	same ? poor sample
70-80	Ls AA (20)
80-90	same
90-00	same
3000-10	AA, tr gyp
10-20	sl AA, R-B AA & clystn, R-B vv calc gdy to ls R-B vv clyy tr gyp
20-30	same
30-40	ls AA (10) dark R-B AA (40) & sts wh-lt R-B gdy to VFG Ss
40-50	ls, varic pred lt gy sm rdsh clyy (25) dk R-B clystn in pt sty w/ occ himatite grains, tr lt colored sts - ss AA, tr mud gy wxy sh, tr gyp
50-60	AA, sli incr wh-lt gy ls.
60-70	AA, no vis gyp, tr wh-clr FG-MG SS
70-80	tr ls AA, tr lt sts ss AA blnce dk R-B clystn AA
80-90	incr ls (30) tr gnish gy wxy sh
90-00	same
3100-10	AA, tr gyp
10-20	AA, tr wh sty ss, incr gyp
20-30	varix ls AA (10) dk R-B clystn AA (40) lt R-B v sty clystn (50) tr gnish gy stn clystn.
30-40	AA sm v mic dk R-B
40-50	ls AA pred rdsh vv clyy (25)
50-60	same
60-70	ls wh chalky to wh-lt gy-rdsh (40) dk R-B clystn rarily sty w/few inbedded himatite grns
70-80	ls AA, decr wh & ls med dk gy argil in pt sty (80) tr mud gy sty clystn tr red chert
80-90	ls pred lt gy dnse-rare FX (40)
90-00	same
3200-10	ls, pred lt gy dnse in pt sty (20) R-B clystn AA (25) sdy sts lt gy in pt v calc (55) tr gyp, rare bright orange silic dol.
10-20	AA
20-30	ls varic, pred lt-med gy dnse sm sty, sm silic (30) R-B clystn incr sty himatite grns common (50) lt gy sdy sts & lt R-B (20), tr gyp
30-40	ls AA * mud gy VFX (40) dk R-B decr sty (60) tr lt gy sts AA, tr gyp tr gnish gy clystn, tr wh VFG ss
40-50	ls varic sm v sty (20) dk R-B AA (50) sts varic inpt sdy mic, v calc (30) tr gyp, tr lt gnish gy clystn
50-60	ls AA (35) dk R-B AA (35) varic sts AA pred lt gy clyy (30) tr bright orange silic dol.
60-70	dol lt med gy dnse fx sometimes sty (70) clystn med dk, R-B occ v sty (30) tr gyp
70-80	dol bcm incr limey (80) clystn AA & sm lt gnish gy (20) tr wh FG ss, tr gyp, tr org ch
80-90	ls, pred lt gy, sm med-dk gy mtld sm rdsh w/clay content in pt silic (90) R-B clystn AA (10) tr bright orange & blk chert rare clear LG gtz tr gyp
90-00	same

3300-10 ls AA gnerally lighter in color (60) R-B clystn AA (40)
tr gy clystn w/carb mat, tr gyp, tr wh sts
10-20 tr ls AA, clystn med-dk R-B maroon sm sty (100) tr ch,
tr gyp, tr cg ss w/carb residue
20-30 AA tr flsh lx ls, tr dk gy carb sh
30-40 ls off-wh,lt yellow-tan dnse fx, tr poro in mtld dk gy-gy ls
sm sdy ls (70) dystn dk R-B mar (30) tr gyp, ty smoky ch, tr
lt gnsh gy chystn.
40-50 ls incr lighter in color (70) R-B AA (30) tr gyp, tr ch
50-60 ls AA (60) clystn AA (40) abdt clear-frosted LG gtz grins
60-70 ls AA (40) " " (60) frosted gtz grains commom, some inbedded
in ls, tr gy sty clystn, tr gyp, tr lt gy wxy sh
70-80 incr ls (80) clystn AA (20) inbedded FQG common
80-90 ls bcm varic wh-gy tan buff rdsh w/intbds dk R-B sty clystn tr FG ss
tr varic sh
90-00 ls AA (30) chystn AA (30) ss FG-MG-CG poorly sorted v calc (40) rare FQG
3400-10 pred ls, sm varic clystn w/wh sts, gyp, varic ch, sm brecciation
10-20 R-B clystn predominates, ls mostly lt varic, gyp common
20-30 same
30-40 ls lt gy-tan dnse VFX w/thin intbds dk R-B calc clystn, tr wht sts
40-50 ls wh-lt gy dnse crypts X-fX in part litho inpt silic (70) dk R-B clystn
AA (30)
50-60 AA, tr lt gy sts w/lavender cast
60-70 ls v lt gy tan crypts X to litho occ inbedded MG qtz, tr dk R-B clystn
70-80 AA, incls chalky, bcms dolic
80-90 same
90-00 same
3500-10 ls AA sli darker in color
10-20 ls AA, foss (50) & clystn med dk R-B and sm gy (50)
20-30 ls AA (70) clystn R-B AA (30) tr pale gn soft sh
30-40 same
40-50 AA sli incr FX ls
50-60 same
60-70 ls dolic dead wh-v lt gy dnse-chalky? rare xln (90) dark R-B clystn
sty inpt cvg ?(10)
70-80 ls dolic dead wh appears chalky, few inbedded FG gty grains (100)
80-90 same
90-00 same
3600-10 same
10-20 same mic
30-40 dolic ls AA (70) & R-B clystn sty/, calc (30) tr med dk gy mic sh
40-50 dolic ls AA #med gy argil, sty (70) R-B AA (30) cvgs?
50-60 dolic ls pred lt med gy dnse sli argil, sm wh AA (90) R-B AA (10)
tr pale gn wxy sh
60-70 dolic ls AA, tr R-B clystn AA, sli incr gr wxy sh, rare FQG (frosted,
rounded LG qtz)
70-80 dolic ls AA & tan bn dnse, pinkish dnse (80) clystn mtld med gn dk gy
calc. Abdt ch, clr smoky, bn orange, gn wxy sh common, tr tan fx suc
dol w/tr ix poro.
80-88 dol, tan-pk Fx-occ mx w/tr IX poro, tr selenite
88-91 AA, tr ch
91-93 same
93-00 AA, tr dk red shy, clyey congl, tr wh ch
3700-10 tr dol AA, congl AA w/imbedded FQG & abdt free FQG (70), varic calc sh
mic, occ sdy (30)
10-20 congl AA & shales, varic & other sedimentary rocks w/schistose appearance
abdt FQG
20-30 weakly metamophosed sediments and weathered red granite? few FQG, much
altered fildspar?
30-40 AA poss intb granite wash transparted metamorphics and dark R-B sty
clystn, rare FQG

3740-50 AA, incr R-B clystn AA
50-60 same
60-70 decr R-B clystn, small amt red granite in spl, est top 3764'
70-80 dark red granite, slightly weathered
80-90 same
90-95 granite AA abdt chert?
CIRCULATE 15: much milky qtz
30: " " " abdt altered (weathering?) granite
some metamorposed sediments, sm dk R-B clystn-cvgs
45: decr sediments, granite highly weathered
60: same

Memo to File

From W. E. Allen

On July 6 & 7, 1976 the following locations were inspected and found to be in the condition as noted below.

NMAL #25-1, Permit #656: Trash all over location.

State #36-1 Permit #657; O. K.

NMAL #8-1 Permit #659 O. K.

Rocking Chair Ranch #29-1 Permit #660: Pit mud piled on mud pit approximately 2' above ground level. Mud still wet constituting a hazard to humans and livestock.
Mr. Elkins, the rancher was pretty unhappy about this location. He also complained about damage that had been done to his cattle-guards on roads leading to this location and the 8-1 location.

NMAL #6-1 Permit #658 O. K.

NMAL #30-1 Permit #655, gate locked, unable to reach location.

Mr. Warren Carr, representing Webb Resources was contacted and advised of the above conditions. Carr was to contact Webb in Denver for authority to correct the above conditions and bring the locations into compliance with our recommendations.

GEOLOGICAL REPORT

Webb Resources No. 25-1 New Mexico & Arizona Land Company
NE SE Section 25-T20N-R15E
Navajo County, Arizona

March, 1976

Prepared by: Warren E. Carr, Geologist
P. O. Box 32436
Oklahoma City, Ok. 73132

656

DRILLING SUMMARY

Location: 1988' FSL, 847' FEL Section 25-T20N-R15E
Navajo County, Arizona

Elevation: 4855.6 Ground
4863 KB

Total Depth: 3796' Driller
3797' Logger

Spud: 2-3-76

Complete: 3-3-76 D & A

Drillstem Tests: None

Cores: None

Logs: Mud log, surface to total depth; Dresser Atlas Dual Induction 604-3795', Densilog 604-3795' (Gamma Ray to Fluid Level at 90')

Sample/Gas Detector Shows:

27'; very slight show helium by chromatograph
116'; " " " "
216'; " " " "
329'; " " " "
800'; " " indication of hydrocarbon gas
1065'; " " show helium
1138- 91'; " " indication of " "
1456- 64'; " " " " " "
1945- 68'; " " " " " "
2161-2230'; " " " " " "

NOTE: All shows are judged to be insignificant

Formation Tops:	Sample Drlg Time	E-Log	Datum
Triassic			
Moenkopi Surface			+4863
Permian			
Coconino Sandstone	358'	272'	+4591
Supai Transition		900'?	+3936
Supai		1080'?	+3783
Pennsylvanian		2416'?	+2447
Naco		2997'	+1866
Mississippian			
Redwall		3551'	+1312
Devonian		3621'	+1242
Pre-Cambrian			
Metasediments		3697'	+1166
Granite		3767'	+1096

Hole Design: 12½" hole to 737', ran 13 joints 8-5/8" casing (590.69'), cemented at 597' KB with 545 sacks class "B" cement with 2% cc, circulated, plug down at 7:30 P.M. 2/10/76. Drill 7-7/8" hole to total depth.

W. E. CARR, GEOLOGIST

Lost Circulation Zones:

360'	near top of Coconino,	regain after	2 hrs, 45 mins
481'	Coconino	" "	1 hr, 30 mins
1413'	Supai	" "	3 hrs, 25 mins
2315'	Supai ?	" "	10 hrs, 20 mins
2318'			

Lost Time, Hole Problems:

Twist off at 603'. Ream key seat in Coconino prior to running surface casing; twisted off, stuck drill pipe, fishing job at 1832'

Drilling Time: See Mud Log

Sample Description, Bit Record, Mud Record: See Appendix

GEOLOGY

Structure

Inasmuch as there is no nearby control on top of Coconino Sandstone, the Toltec Divide Structure is neither confirmed or altered as expressed by surface mapping prior to drilling the No. 25-1. Though datum on Coconino is somewhat higher than predicted, the circumstance resulted from inaccurate estimate of Moenkopi thickness. Closest Coconino penetration is a water well in Section 24-T20N-R16E; the No. 25-1 NMALC is 191' high on top of Coconino.

Deeper drilling is more distant; the nearest test located about 21 miles south, affording no support for persistence of anomalous structure with depth. However, since most formation tops to the top of Devonian conform with prognosis depths, it is assumed that the anticlinal feature as shown by surface mapping exists at deeper levels.

Stratigraphy

Moenkopi: Surface of the subject location is 35 to 40' below the top of this Triassic Unit indicating an approximate thickness of 310'. Moenkopi is comprised of interbedded reddish-brown argillaceous siltstone and very fine grained sandstone with partings and thin beds of light greenish-gray claystone. Minute bands of white gypsum are common, particularly in the lower one-third. Because of sample quality, no attempt is made to distinguish the Holbrook, Moqui and basal sandstone members. Presence of very low volume gas containing helium was indicated by chromatograph while drilling Moenkopi. Because of increasing overburden northward, and occasional sandstone beds with low-order porosity, it is possible that commercial helium accumulations could occur downdip.

Permian: While there was reason to suspect presence of a thin, erosional remnant of Kiabab Limestone, top of the Permian was found

to be Coconino Sandstone. The upper several hundred feet were observed to be typical of outcropping sandstone; i.e., very light buff in color and fine grained. Recovered sand was almost totally unconsolidated. Contrary to lithologic characteristics of upper Supai to the south and east, succeeding beds are very silimar to Coconino Sandstone, and definition of a contact or even recognition of a transitional phase of deposition is not clearly established. First reddish hues were observed at about 1200', perhaps coincident with raising mud viscosity near that depth. In any case there is inordinate thickness of sandstone underlying the drillsite; future work might establish correlation of lower sections with DeChelly Sandstone of the Four Corners Area. Prior to drilling, a Permian shelf position with respect to the south-eastward evaporite basin was anticipated. Absence of halite and the very few thin anhydrite - carbonate beds confirm a basin margin location obviously too far shelfward to have received massive carbonate deposition. Below sandstones in the upper 500' of Supai Transition - Upper Supai, sediments are dominated by very light reddish-brown claystone-siltstone with some relatively thin interbeds of very fine grained reddish sandstone with considerable clay content. A few porous dolomite zones are indicated by samples and E-logs but no shows of oil, gas or helium were observed.

Pennsylvanian: Contact of Permian with Pennsylvanian is arbitrarily called at 2416' based on higher expression of resistivity by the induction log. While subtle lithologic changes were noted in samples near this point, no distinctive "break" in color, lithology or fauna was recognized. A possible explanation for increased resistivity with depth would be higher calcareous content in the older sediments. Top of Naco, at 2997', is similarly portrayed through cuttings provide a more secure basis for distinction of upper limit of this formation. Low order porosity is indicated in several thin limestone beds in Naco, but no encouragement emerged from sample shows or gas detection equipment. Generalized description of Naco is a sequence of varicolored limestones, occasionally sandy and dolomitic, with alternating beds of dark reddish brown silty claystone. Massive character of any type is lacking, and possibility for nearby reservoir development appears to be limited.

Mississippian: Redwall Limestone was encountered at 3551', predominately a white finely crystalline, porous limestone with few impurities except in the upper part which contains reddish clay and siltstone infiltrated in the karst Mississippian surface. Though reservoir characteristics are adequate to contain commercial hydrocarbons, no shows were found and logs indicate thorough water saturation.

Devonian: These sediments are mostly varicolored shales, though a clean bed of dolomite appeared from 3674 to 3692'. Maximum porosity is 8 percent but in view of the lack of shows it is believed this zone offers little local promise.

Pre-Cambrian: Weakly metamorphosed sediments from 3697 to 3767 are presumed to be younger Pre-Cambrian in age. Some shales in this interval are schistose in appearance, accompanied by brittle redbeds which appear to have been subjected to moderately elevated temperatures. Alteration products suggest that part of the metamorphosed sediments were granite wash. Dark red granite was found at 3767'.

CONCLUSIONS

1.) Presence of anomalous structure at all levels is probably supported by results of this test. However, this condition may be of little importance because of the disappointing sedimentary sequence penetrated by the No. 25-1 NMALC.

2.) If Permian shelf carbonates exist, it is probable that they would be several miles removed from the subject location. The almost complete absence of chemically deposited sediments suggests a disposition from sequential geochemical processes in relation to extensive evaporite deposits.

3.) Information furnished by this test does not provide reason to suspect profound lateral facies variations in Pre-Permian rocks of this area. Consequently, off-structure stratigraphic traps are unlikely.

4.) The combination of reasonably good sample quality and a prudent set of mechanical logs leads to the conclusion that there are no questionable zones to total depth, and that the test should be abaondoned without further investigation.

Warren E. Carr

Warren E. Carr, Geologist
March, 1976

Webb Resources No. 25-1 NMALC
NE SE 25-T20N-R15E
Navajo County, Arizona

SAMPLE DESCRIPTION

spud in Moenkopi Formation

0-10	ss, VFG-FG-OCC MG, wh-salmon, soft fri, clayey sm wh amorph gyp
10-20	same
20-30	ss AA, sm rdsh-bn sty clystn
30-40	same
40-50	same
50-60	spl mostly mixture of unconsol VFG ss and rdsh-bn clystn latter probably predominates
60-70	same
70-80	same
80-90	same
90-00	AA, incr sd grain size
100-10	same
10-20	same
20-30	pred R-B clystn, in pt sty, sm lt gnish gy clystn, selenite & white gyp common, unconsol ss AA
30-40	AA, incr uncon sd VFG-FG-MG
40-50	AA decr sd
50-60	R-B & gnish gy clystn AA, abdt gyp-selenite
60-70	AA, est 40% gyp
70-80	same
80-90	clystn AA (25) gyp (5) pred uncon sd w/abdt frosted LG qtz grains
90-00	as 60-80
200-10	no spl
10-20	pred ss, buff, FG-MG-pred LG, R-SR loosely consol, clayey, sm gyp, sm clystn AA
20-30	clystn, incr green (60) sd AA, pred uncon (15) gyp-selenite (25)
30-40	clystn, pred R-B (75) uncon sd (15) gyp-sel (10)
40-50	clystn AA, tr sd, gyp-sel (10)
50-60	same
60-70	same
70-80	AA, R-B clystn incr sty, sli incr gyp
80-90	same
90-00	same
300-10	ss & sd uncon FG-MG-CG pred clear-transl, few FQG (60) & clystn AA (40) gyp common
10-20	AA incr consol ss
20-30	incr sd & ss, decr grain size
30-40	poor spl-same?
40-50	dk R-B sty clystn, sm lt gnish-gy clystn, tr sd & ss AA, gyp common
50-60	sd, buff VFG-FG-rare-MG, uncon. Top/Coconino 358'

Lost Circulation @ 360'

360-70 poor spl-as above?
70-80 uncon sd AA, lighter in color
80-90 same
90-00 same
400-10 same
10-20 same
20-30 AA, decr grain size
30-40 AA, VFG-FG
40-50 same
50-60 same

Lost Circulation @ 464'

60-70 uncon sd buff VFG w/R-B sty clystn (contam?)
70-80 same
80-90 AA, sm consol ss buff VFG-FG
90-00 AA, incr consol ss
500-10 AA, decr consol, decr contam
10-20 same
20-30 same
30-40 same
40-50 AA sli incr grain size, lighter in color
50-60 same
60-70 considerable R-B & gnish gy sty clystn-contam?
70-80 same
80-90 sd uncon wh-lt buff FG-occ MG R-SR
90-00 no spl
600-10 as 80-90
10-20 sd AA w/intb dk gy-blk-sm rdsh mic sty sdy sh
20-30 same
30-40 ss wh-gy VFG-FG sm wh/wh cly cem & sh AA
40-50 ss cleaner, good 1GR poro, sm sh AA
50-60 AA, decr poro
60-70 AA, few blk sdy incls
70-80 same
80-90 ss AA clean VFG-FG
90-00 ss AA incr VFG
700-10 ss AA w/small incls brick-red cly, ss firm gyp cem
10-20 same
20-30 AA, decr cly incls
30-40 same
40-50 sd uncon pred FG w/consid cement & metal cuttings
50-60 sd uncon wh-buff VFG-FG
60-70 same
70-80 sd uncon incr grain size, abdt metal cuttings
80-90 sd uncon as 40-50
90-00 AA, abdt metal cuttings
800-10 same
10-20 same
20-30 AA, few incls brick-red clystn
30-40 AA, decr clystn
40-50 sd AA, little clystn AA

850-60	AA, incr metal cuttings
60-70	AA, incr consol ss, much metal & cement
70-80	AA, decr cement
80-90	AA, spl pred cement
90-00	AA, rare cement
900-10	sd, ss AA, much metal & tr cement
10-20	AA decr metal
20-30	same
30-40	same
40-50	AA, gyp common
50-60	AA, tr gyp
60-70	same
70-80	same
80-90	same
90-00	same
1000-10	sd AA, consid metal & cement
10-20	same
20-30	same
30-40	same
40-50	same
50-60	same
60-70	same
70-80	same
80-90	same
90-00	same
1100-10	AA, rare metal & cement cuttings
10-20	same
20-30	same
30-40	same
40-50	same
50-60	same
60-70	same
70-80	sd incr salmon in color
80-90	same
90-00	same
1200-10	ss R-B VFG OCC FG, sty-spl w/much metal cuttings & common cement
10-20	ss, salmon & R-B, VFG-FG, firm, clay cem
20-30	ss AA, incr grain size
30-40	same, cement common
40-50	AA, much LCM
50-60	ss AA
60-70	same
70-80	same
80-90	same
90-00	same
1300-10	same
10-20	ss AA sli incr amorph gyp, incr grain size
20-30	same
30-40	same
40-50	same
50-60	AA, decr consol ss
60-70	same
70-80	same
80-90	same

1390-00 AA, decr grain size, incr consol
1400-10 AA, tr dk R-B mic clystn, decr consol
10-20 same, tr cement
20-30 same
30-40 ss bcm lighter in color incr consol, much LG qtz xls
40-50 same
50-60 ss, salmon-R-B sty, VFG-FG, firm, cly cem, tr gyp
60-70 ss AA incr cly content, tr LG-sm grains SR
70-80 same
80-90 ss AA & dol lt gy, dnse sty sdy poss foss
90-00 ss AA, doll AA, sm purp sts, clayey, mic
1500-10 ss, salmon-R-B sty-VFG, clayey & thin intbds sdy dol AA
10-20 sts, R-B mic clayey w/15% ss AA
20-30 AA, tr gy sty dol, dnse, foss?
30-40 AA, tr wh sty, VFG ss
40-50 same
50-60 AA, sli incr wh & R-B ss
60-70 same
70-80 R-B sts AA gdg to VFG clayey ss, sm wh & salmon ss AA
80-90 same
90-00 same
1600-10 R-B sts bcm incr clayey, decr ss, tr dol
10-20 same
20-30 same
30-40 same
40-50 same
50-60 same
60-70 sts AA & sdy sts, wh (25)
70-80 R-B sts AA (90) wh sdy sts (10)
80-90 intb R-B & wh sts
90-00 same
1700-10 R-B sts bcm incr clayey, decr wh sts
10-20 same
20-30 AA, sm wh & gnish gy sts
30-40 same
40-50 AA, tr wh & gnish gy sts
50-60 AA, tr gyp
60-70 AA, no gyp
70-80 same
80-90 same
90-00 R-B AA, sli incr gnish gy sts, tr gyp
1800-10 same
10-20 same
20-30 same
30-40 AA & sdy sts varic pred R-B, sm purp v clayey tr pale orange ch, tr ss pred LG clear-transl
40-50 AA, incr LG ss

50-60 AA, tr lt gy dnse sty, sdy dol
60-70 same
70-80 AA, ss decr grain size tr dk org-gn ch
80-90 same
90-00 R-B bcm incr sty, tr wh & gnish gy sts, tr LG ss AA

1900-10 same
10-20 same
20-30 AA, tr org-gn ch
30-40 same
40-50 AA no vis ch, tr blk iron mineral-soft, plty
50-60 R-B clystn, sty
60-70 AA, rare gnish-gy sts
70-80 same
80-90 same
90-00 AA, tr gyp
2000-10 same
10-20 AA, sli incr gnish gy sts (5), tr gyp
20-30 R-B AA, rare gnish gy sts
30-40 AA, incr gnish gy & v lt gy sts, tr gyp
40-50 same
50-60 same
60-70 same
70-80 same
80-90 same
90-00 R-B sts decr sty, sm gnish gy sty clystn, tr gyp
2100-10 same
10-20 AA, tr selenite
20-30 AA, no selenite
30-40 same
40-50 same
50-60 same
60-70 AA, incr sty
70-80 same
80-90 same
90-00 same
2200-10 same
10-20 AA, sm v mic
20-30 same
30-40 AA, tr ss wh FG w/tr poro
40-50 AA, no ss, rare gnish gy sty clystn
50-60 same
60-70 AA, rare LG qtz grains
70-80 AA, tr wh FG ss no vis poro
(see above for circ spl, lagged spl & 2280-90
90-00 same
2300-10 clystn, R-B, in pt v sty, mic gdg to VFG R-B ss
10-20 AA occ v mic & small amount lt gnish gy sty clystn rare so wh FG w/tr poro, few free LG qtz grains
20-30 AA & tr dol lt gy, dnse-fx, sty, sdy
30-40 AA, sli incr dol, tr lt org-bn ch, tr purp sts
40-50 AA, incr FG & LG ss, decr dol
50-60 AA & sm v calc dk r-b clystn gdy to dol w/high clay content
60-70 incr dark R-B calc clystn, decr ss, rare lt gy dol
70-80 same
80-90 AA & sts mtld wh-pale orange (10). Dark R-B calc clystn predominates, tr LG qtz ss, tr lt gy sdy dol
90-00 AA, decr wh-org mtld sts

2400-10 dk R-B calc clystn AA, sm bcm purp, rare lt gy dol AA
10-20 " " " " " & dol lt gy dnse, sm gy & reddish mtld dol
20-30 AA, sli decr dol
30-40 sli incr dol-thin intbds dk R-B calc clystn & dol
40-50 same
50-60 AA, dol incr, limey decr
60-70 same
70-80 AA, tr wh FG ss, tr gyp
80-90 AA, no ss
90-00 AA, incr dnse dolic ls
2500-10 sts, med rdsh bn, v clayey, in pt sdy, tr clayey ss
10-20 as 2490-2500
20-30 dolic ls AA incr to (70), sm v sdy, in pt foss
30-40 incr purp dolic ls, dk R-B calc clystn grades to purp
40-50 ls decr to (10)
50-60 AA, tr gyp
60-70 dolic ls, varic, dnse (50); clystn AA (50) tr gyp
70-80 same
80-90 dolic ls decr (30) sty calc clystn (70), tr gyp
90-00 " " " (10) " " " (90), rare gyp
2600-10 tr dolic ls, tr gyp
10-20 clystn AA incr sty, tr gyp
20-30 same
30-40 same
40-50 dolic ls, pred lt-med gy w/small reddish incls, foss in pt sty (30) clystn AA w/occ imbedded MG-CG gty (70) tr gyp
50-60 ls AA (30), clystn AA & clystn gy w/lavendar cast sm w/imbedded hematite grains
60-70 same
70-80 AA, tr pal cherty dol
80-90 decr dolic ls (tr), decr gy clystn (tr) clystn R-B lt-med, dk AA
90-00 AA, tr med-gy wxy clystn
2700-10 ls AA & pale gy dnse foss (15) R-B clystn AA, gyp common
10-20 ls AA (40) R-B clystn AA, occ slicken surface
20-30 ls AA (20) R-B AA, lt mud gy wxy clystn breaks in slivers (10) tr gyp
30-40 ls AA (10) R-B AA, tr gy wxy clystn, tr gyp
40-50 tr ls AA, " " " " " "
50-60 R-B AA, incr sty, occ sdy, sm gy sty clystn w/inb hematite grains
60-70 R-B decr sty, incr calc, dec gy sty clystn, sm med-gy wxy clystn
70-80 same
80-90 R-B incr sty, tr gy sty clystn, tr varic dolic ls AA, tr gyp
90-00 same
2800-10 ls, wh-pink-rdsh mtld, dnse sm v clayey, in pt sty, sdy (50) R-B AA (50) tr wh-lt gy sts w/sm lt R-B strks & incls
10-20 AA, wh sts gdy to VFG ss
20-30 ls AA (30) R-B AA w/sm inb hematite grains, tr gy sty clystn w/ few inb small blk grains, tr lt gnish gy wxy sh
30-40 ls, lt gy occ rdsh dnse sm cly (30) R-B sty w/num slicken surfaces (70) tr sty gy calc sh

2840-50 same
50-60 AA, ls incr-rdsh incr (50) tr wh-lt gnish gy sts
60-70 ls AA (10) R-B AA w/slicken surf (90) tr gyp
70-80 same
80-90 AA, incr ls (30)
90-00 AA tr lt-med gy sty clystn, tr gyp
2900-10 same
10-20 AA, tr pale gy-tan litho ls
20-30 AA, T-B decr sty, bcm darker grds to maroon
30-40 decr ls (10) darker R-B AA (90), tr gy sty calc clystn AA
40-50 same
50-60 tr ls AA
60-70 same? poor spl
70-80 ls AA (20)
80-90 same
90-00 same
3000-10 AA, tr gyp
10-20 sl AA, R-B AA & clystn, R-B vv calc gdy to ls R-B vv clayey tr gyp
20-30 same
30-40 ls AA (10) dark R-B AA (40) & sts wh-lt R-B gdy to VFG ss
40-50 ls, varic pred lt gy sm rdsh clayey (25) dk R-B clystn in pt sty w/occ hematite grains, tr lt colored sts - ss AA, tr mud gy wxy sh, tr gyp
50-60 AA, sli incr wh-lt gy ls.
60-70 AA, no vis gyp, tr wh-clr FG MG ss
70-80 tr ls AA, tr lt sts ss AA blnce dk R-B clystn AA
80-90 incr ls (30) tr gnish gy wxy sh
90-00 same
3100-10 AA, tr gyp
10-20 AA, tr wh sty ss, incr gyp
20-30 varic ls ZZ (10) dk R-B clystn AA (40) lt R-B v sty clystn (50) tr gnish gy stn clystn
30-40 AA sm v mic dk R-B
40-50 ls AA pred rdsh vv clayey (25)
50-60 same
60-70 ls wh chalky to wh-lt gy-rdsh (40) dk R-B clystn rarily sty w/few imbedded hematite grns
70-80 ls AA, decr wh & ls med dk gy argil in pt sty (80) tr mud gy sty clystn tr red chert
80-90 ls pred lt gy dnse-rare FX (40)
90-00 same
3200-10 ls, pred lt gy dnse in pt sty (20) R-B clystn AA (25) sdy sts lt gy in pt v calc (55) tr gyp, rare bright orange silic dol
10-20 AA
20-30 ls varic, pred lt-med gy dnse sm sty, sm silic (30) R-B clystn incr sty hematite grans common (50) lt gy sdy sts & lt R-B (20), tr gyp
30-40 ls AA med gy VFX (40) dk R-B decr sty (60) tr lt gy sts AA, tr gyp tr gnish gy clystn, tr wh VFG ss
40-50 ls varic sm v sty (20) dk R-B AA (50) sts varic in pt sdy mic, v calc (30) tr gyp, tr lt gnish gy clystn

3250-60	ls AA (35) dk R-B AA (35) varic sts AA pred lt gy clayey (30) tr bright orange silic dol
60-70	dol lt med gy dnse fx sometimes sty (70) clystn med dk, R-B occ v sty (30) tr gyp
70-80	dol bcm incr limey (80) clystn AA & sm lt gnish gy (20) tr wh FG ss, tr gyp, tr org ch
80-90	ls, pred lt gy, sm med-dk gy mtld sm rdsh w/clay content in pt silic (90) R-B clystn AA (10) tr bright orange & blk chert, rare clear LG qtz tr gyp
90-00	same
3300-10	ls AA generally lighter in color (60) R-B clystn AA (40)
10-20	tr ls AA, clystn med-dk R-B maroon sm sty (100) tr ch, tr gyp, tr cg ss w/carb residue
20-30	AA tr flsh fx ls, tr dk gy carb sh
30-40	ls off-wh, lt yellow-tan dnse fx, tr poro in mtld dk gy-gy ls sm sdy ls (70) dystn dk R-B mar (30) tr gyp, tr smoky ch, tr lt gnish gy clystn.
40-50	ls incr lighter in color (70) R-B AA (30) tr gyp, tr ch
50-60	ls AA (60) clystn AA (40) abdt clear-frosted LG qtz grns
60-70	ls AA (40) " " (60) frosted qtz grains common, some imbedded in ls, tr gy sty clystn, tr gyp, tr lt gy wxy sh
70-80	incr ls (80) clystn AA (20) imbedded FQG common
80-90	ls bcm varic wh-gy tan buff rdsh w/intbds dk R-B sty clystn tr FG ss tr varic sh
90-00	ls AA (30) clystn AA (30) ss FG-MG-CG poorly sorted v calc (40) rare FQG
3400-10	pred, sm varic clystn w/wh sts, gyp, varic ch, sm brecciation
10-20	R-B clystn predominates, ls mostly lt varic, gyp common
20-30	same
30-40	ls lt gy-tan dnse VFX w/thin intbds dk R-B calc clystn, tr wh sts
40-50	ls wh-lt gy dnse crypto x-fx in pt litho in pt silic (70) dk R-B clystn AA (30)
50-60	AA, tr lt gy sts w/ lavender cast
60-70	ls v lt gy tan crypto-x to litho occ imbedded MG qtz, tr dk R-B clystn
70-80	AA, incls chalky, bcms dolic
80-90	same
90-00	same
3500-10	ls AA sli darker in color
10-20	ls AA, foss (50) & clystn med dark R-B and sm gy (50)
20-30	ls AA (70) clystn R-B AA (30) tr pale gn soft sh
30-40	same
40-50	AA sli incr FX ls
50-60	same
60-70	ls dolic dead wh-v lt gy dnse-chalky? rare xln (90) dark R-B clystn sty in pt cvg? (10)
70-80	ls dolic dead wh appears chalky, few imbedded FG qtz grains (100)
80-90	same
90-00	same

[redacted]

3600-10 same
10-20 same
30-40 dolic ls AA (70) & R-B clystn sty mic, calc (30) tr med dk gy mic sh
40-50 dolic ls AA med gy argil, sty (70) R-B AA (30) cvgs?
50-60 dolic ls pred lt med gy dnse sli argil, sm wh AA (90) R-B AA (10) tr pale gn wxy sh
60-70 dolic ls AA, tr R-B clystn AA, sli incr gy wxy sh, rare FQG (frosted, rounded LG qtz)
70-80 dolic ls AA & tan bn dnse, pinkish dnse (80) clystn mtld med gn dk gy calc. Abdt ch, clr smoky, bn orange, gn wxy sh common, tr tan fx such dol w/tr ix poro
80-88 dol, tan-pk fx-occ mx w/tr IX poro, tr selenite
88-91 AA, tr ch
91-92 same
93-00 AA, tr dk red sh, clayey congl, tr wh ch
3700-10 tr dol AA, congl AA w/imbedded FQG & abdt free FQG (70), varic calc sh mic, occ sdy (30)
10-20 congl AA & shales, varic & other sedimentary rocks w/schistose appearance abdt FQG
20-30 weakly metamorphosed sediments and weathered red granite? few FQG, much altered feldspar?
30-40 AA poss intb granite wash transported metamorphics and dark R-B sty clystn, rare FQG
40-50 AA, incr R-B clystn AA
50-60 same
60-70 decr R-B clystn, small amt red granite in spl, est top 3764"
70-80 dark red granite, slightly weathered
80-90 same
90-05 gtanite AA abdt chert?

Circulate 15: much milky qtz
30: " " " abdt altered (weathered?) granite
some metamorphosed sediments, sm dk R-B clystn-cvgs
45: decr sediments, granite highly weathered
60: same

BIT AND DEVIATION RECORD

NO.	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE	HOURS	DEVIATION
A-1	STC	12 1/4	K2HJ	603'	603'	29 1/2	
A-2	STC	12 1/4	S4TJ	737'	134'	6 1/4	2 1/2°
1	STC	7 7/8	SDT	1193'	456'	24 1/4	1 °
2	STC	7 7/8	SDT-J	1646'	453'	22 3/4	1 °
3	STC	7 7/8	DT-J	1832'	186'	11 1/4	1/4°
4	STC	7 7/8	DG-J	2180'	248'	18 1/2	1 °
5	STC	7 7/8	F2-J	3021'	841'	97	1 1/4°
6	HTC	7 7/8	J-22	3693'	672'	107	1 3/4°
7	HTC	7 7/8	J-33	3796'	103'	17 1/3	1 3/4°

W. E. CARR, GEOLOGIST

MUD DETAIL

	SACKS	APPROX COST PER UNIT	
Gel	529	6.30	$ 3,306.25
Bicarb	2	23.85	47.70
Bennex	3	12.25	36.75
Caustic	39	22.95	895.05
Cedar Fib	136	8.46	1,150.56
Multi Seal	49	11.80	578.20
RHEO-CON	18	24.50	441.00
CMC HV	5	130.00	650.00
Soda Ash	2	20.90	41.80
Preservative*	1	54.70	54.70

*Not used in system - damage on location

Al. Stearate	2	46.90	93.80
Pro Fib	112	11.00	1,232.00
No Stick	45 gal	14.70	661.50
Driscose	10	118.00	1,180.00
			$10,369.31
		+ 5% Tax	518.47
			$10,887.78
		+ Trucking	913.48
			$11,801.26

Materials from old location also used,
but not included above:

Mud Fiber	48
Chip Seal	38
Gel	102
Lime	5
Cedar Fiber	25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.

2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) DRY HOLE

3. Well Name #25-1 NMAL

Location NE SE Sec. 25-20N-15E 1988' FSL & 847' FEL

Sec. 25 Twp. 20N Rge. 15E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	MONTHLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTERING CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)			☐	(OTHER) WEEKLY PROGRESS REPORT			X

(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.)

3-02-76 3795' Trip out to log

3-03-76 TD: 3796' Waiting on Halliburton. Log tops: Mississippian 3551'
Devonian 3621'
Meta Sediment 3697'
Granite 3767'
DTD: 3796'
LTD: 3797'

PLUGGED AND ABANDONED 3-3-76. Plugs :
#1 1430 (15 sxs)
#2 1070 (15 sxs)
#3 599 (30 sxs)
#4 top/ (5 sxs)
surface casing

Rig released at 3:00 P.M. 3-3-76

FINAL REPORT

RECEIVED
MAR 8 1976
O & G CONS. COMM.

NOTE: Surface Lessee, Mike Ohaco, wants to take over location for water well
He will obtain forms from Oil & Gas Commission to release the well to him.

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

Signed Wm A. Falconer Jr. Title Chief Geologist Date 3-5-76

William A. Falconer

Permit No. 1056

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

Plugging Report

W

SUNDRY NOTICES AND REPORTS ON WELLS

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SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTERING CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)	☐			(OTHER) WEEKLY PROGRESS REPORT			X

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

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2-21-76 Drilling at 2488'

2-22-76 Drilling at 2661'

2-23-76 Drilling at 2860'

2-24-76 Drilling at 2984'

2-25-76 Drilling at 3035'

2-26-76 Drilling at 3181'

2-27-76 Drilling at 3330'

2-28-76 Drilling at 3480'

2-29-76 Drilling at 3609'

3-01-76 Drilling at 3700'

RECEIVED
MAR 8 1976
O & G CONS. COMM.

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

Signed Wm A. Falconer Title Chief Geologist Date 3-1-76

William A. Falconer

Permit No. 656

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

WR

SUNDRY NOTICES AND REPORTS ON WELLS

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FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTERING CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)			☐	(OTHER) WEEKLY PROGRESS REPORT			X

(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.)

RECEIVED
FEB 25 1976
O & G CONS. COMM.

2-14-76 1646' Trip for bit

2-15-76 1832' stuck

2-16-76 1832' Running Free Point

2-17-76 1832' washing over stuck drill collars at 1290' (found free point at 1318', backed off at 1279', recovered 41 jts drillpipe and 1 drill collar)

2-18-76 1832' unplugging drill collars (washed over collars from 1279' to 1743' pulled washpipe, ran jars and bumper sub, screwed into fish, knocked fish loose, POOH, recovered all of fish)

2-19-76 2178' Drilling

2-20-76 2336' Drilling (lost circulation at 2284' - 10 hours)

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

Signed Wm A. Falconer Title Chief Geologist Date 2-20-76

William A. Falconer

Permit No. 656

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 21

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: Webb Resources, Inc.

2. Oil WELL ☐ GAS WELL ☐ OTHER ☐ (Specify)

3. Well Name: #25-1 NMAL

Location: NE SE Sec. 25-20N-15E, 1988' FSL & 847' FEL

Sec. 25 Twp. 20N Rge. 15E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: New Mexico-Arizona Land Company

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	MONTHLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTERING CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)			☐	(OTHER) WEEKLY PROGRESS REPORT			X

(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.)

2-7-76 730' Drilling (fished and recovered 12¼" bit and bit sub

2-8-76 737' Running 8-5/8" casing, ran casing to 350', stopped, pulled casing, reamed hole, now re-running casing

2-9-76 737' Reaming 12¼" hole at 350'

2-10-76 737' Fishing for 12¼" bit and bit sub

2-11-76 737' WOC. Fished and recovered 12¼" bit and bit sub. Ran 13 jts 8-5/8" casing (surface)(total 590.69') cemented at 597' KB w/ 545 sxs cement class "B" w/2% cc. Plug down at 7:30 P.M. 2-10-76

2-12-76 Drilling at 940'

2-13-76 1412' Lost circulation

RECEIVED

FEB 17 1976

O & G CONS. COMM.

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

Signed Wm A Falconer Title Chief Geologist Date 2-13-76

William A. Falconer

Permit No. 656

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

WA

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.

2. Oil WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) _____

3. Well Name #25-1 NMAL

Location NE SE Sec. 25-20N-15E 1988' FSL & 847' FEL

Sec. 25 Twp. 20N Rge. 15E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	MONTHLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTERING CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER) _____			☐	(OTHER) WEEKLY PROGRESS REPORT			XXX

(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.)

2-2-76 MIRT

2-3-76 Drilling rathole (very hard)
SPUDDED AT 5:00 P.M.

2-4-76 183' Drilling surface hole (12¼)

2-5-76 581' Drilling surface hole (12¼) Coconino

2-6-76 603' Fishing for 12¼" bit and bit sub.

RECEIVED
FEB 9 1976
O & G CONS. COMM.

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

Signed _____ Title Chief Geologist Date 2-6-76
William A. Falconer

Permit No. 656

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

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL X RE-ENTER OLD WELL ☐

Webb Resources, Inc.
NAME OF COMPANY OR OPERATOR

Suite 2200
First of Denver Plaza, 633 17th Street Denver, Colorado 80202
Address City State

Webb Drilling Company
Drilling Contractor

Suite 2200
First of Denver Plaza, 633 17th Street, Denver, Colorado 80202
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
New Mexico-Arizona Land Company	#25-1	4855.6GL(est)*
Nearest distance from proposed location to property or lease line: 1060' feet	**Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:** feet	
Number of acres in lease: 640	**Number of wells on lease, including this well, completed in or drilling to this reservoir:** 1	
If lease, purchased with one or more wells drilled, from whom purchased: Name: NA	Address:	
Well location (give footage from section lines) 1988 FSL 847 FEL	**Section—township—range or block and survey** 25 - T20N -R15E	**Dedication (Comply with Rule 105)** N/2 SE/4
Field and reservoir (If wildcat, so state) Wildcat	**County** Navajo County	

Distance, in miles, and direction from nearest town or post office
± 6 miles north of Winslow, Arizona

Proposed depth:	Rotary or cable tools	Approx. date work will start
4225'	Rotary	As soon as possible
Bond Status Blanket **Amount** $25,000	**Organization Report** On file X Or attached	**Filing Fee of $25.00** Attached yes

Remarks:

* Survey Plat to be submitted under separate Cover

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Chief Geologist of the Webb Resources, 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.

Wm A Falconer
Signature
William A. Falconer

January 26, 1976
Date

Permit Number: 656
Approval Date: 1-30-76
Approved By: W.E. Allen

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

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

Form No. 3

(Complete Reverse Side)

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.

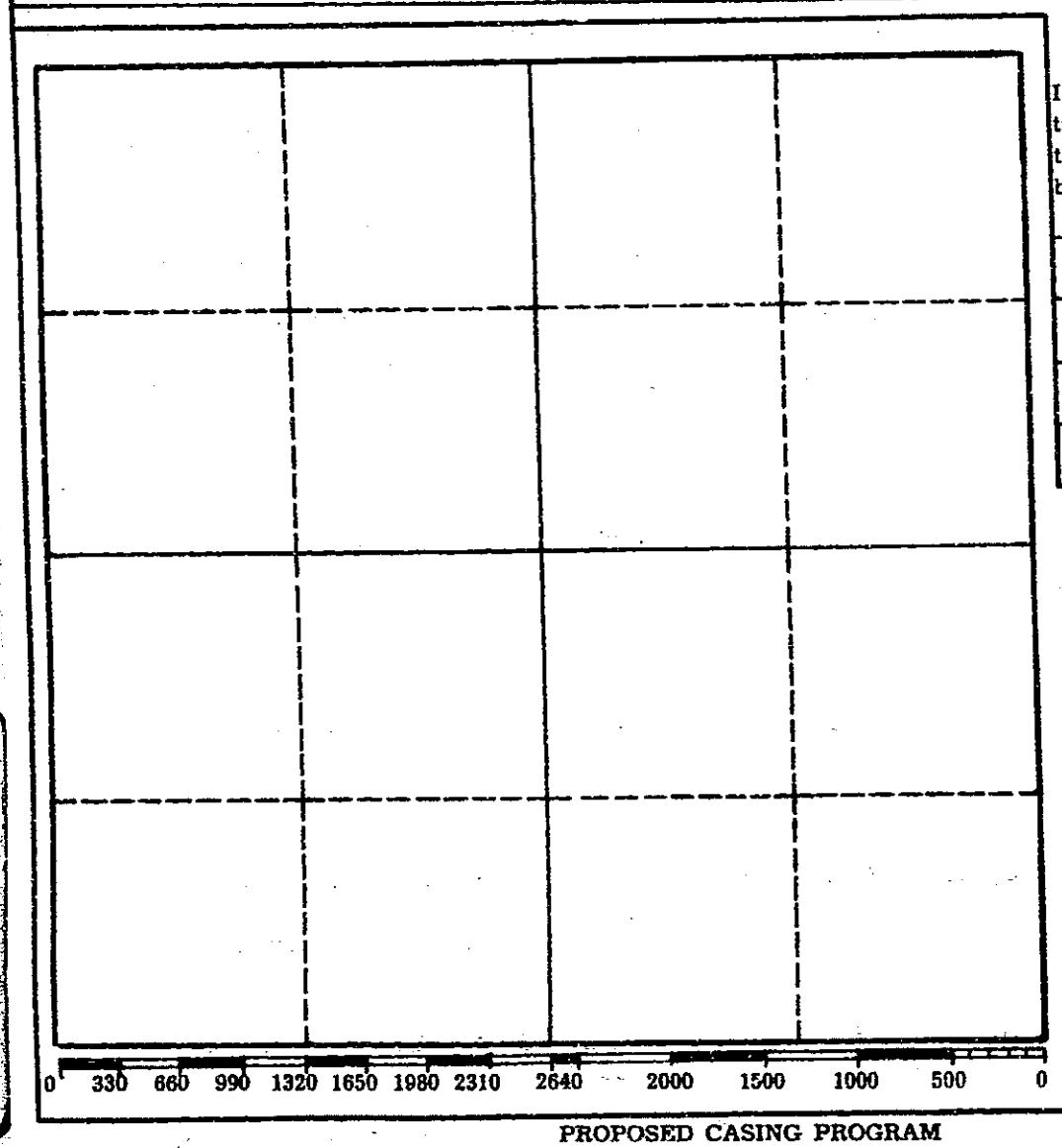
3. All distances shown on the plat must be from the outer boundaries of the Section.

4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO_____

5. 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_____

6. 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: William A. Falconer

Position: Chief Geologist

Company: Webb Resources, Inc.

Date: January 26, 1976

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.

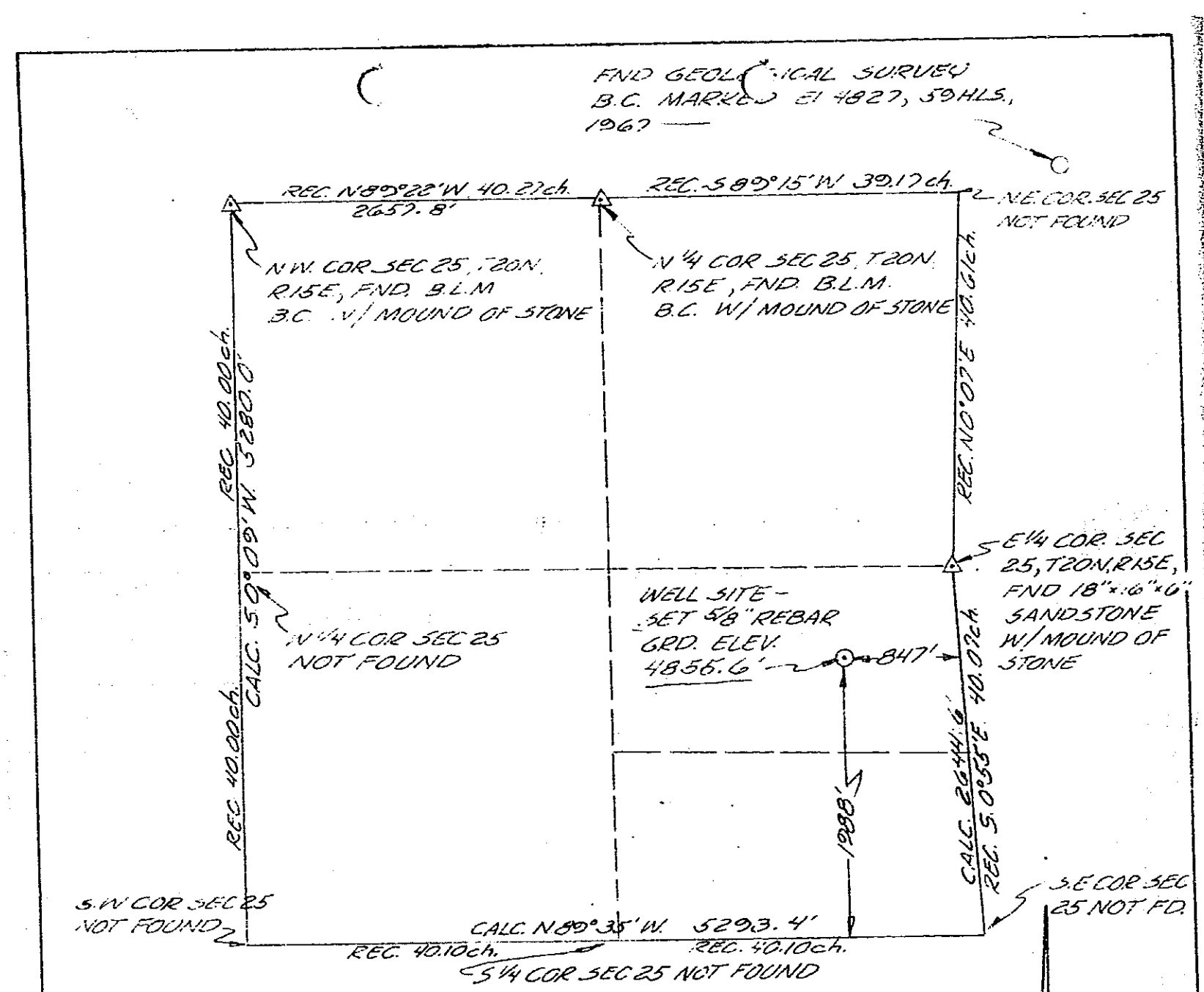
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#	K-55 ST&C	0	100	100' to surf	100
8-5/8"	24#	K-55 ST&C	0	700	700' to surf	700
5-1/2"	15.5#	K-55 ST&C	0	4225'	4225' cover all pay zones	200



Note: All Record Data For The N. & E Section Lines is From F.B. 4942 B.L.M. "A Retracement And Dependent Resurvey in 1968. Record Data For The S & W Section Lines is From F.B 355 B.L.M., A Survey of The Subdivision Lines 1882

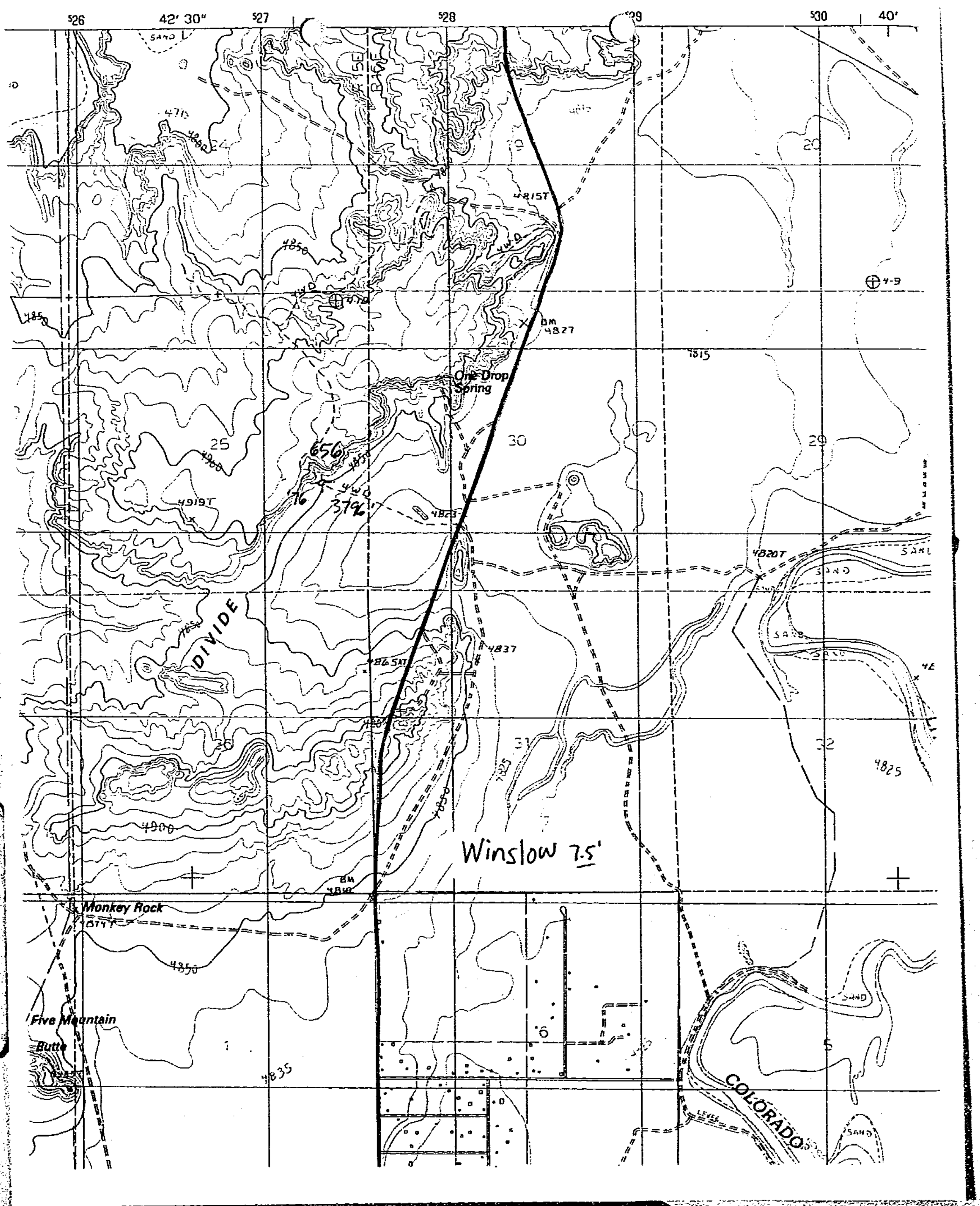
R D Voelker 1-29-76

RECEIVED
JAN 30 1976
O & G CONS. COMM.

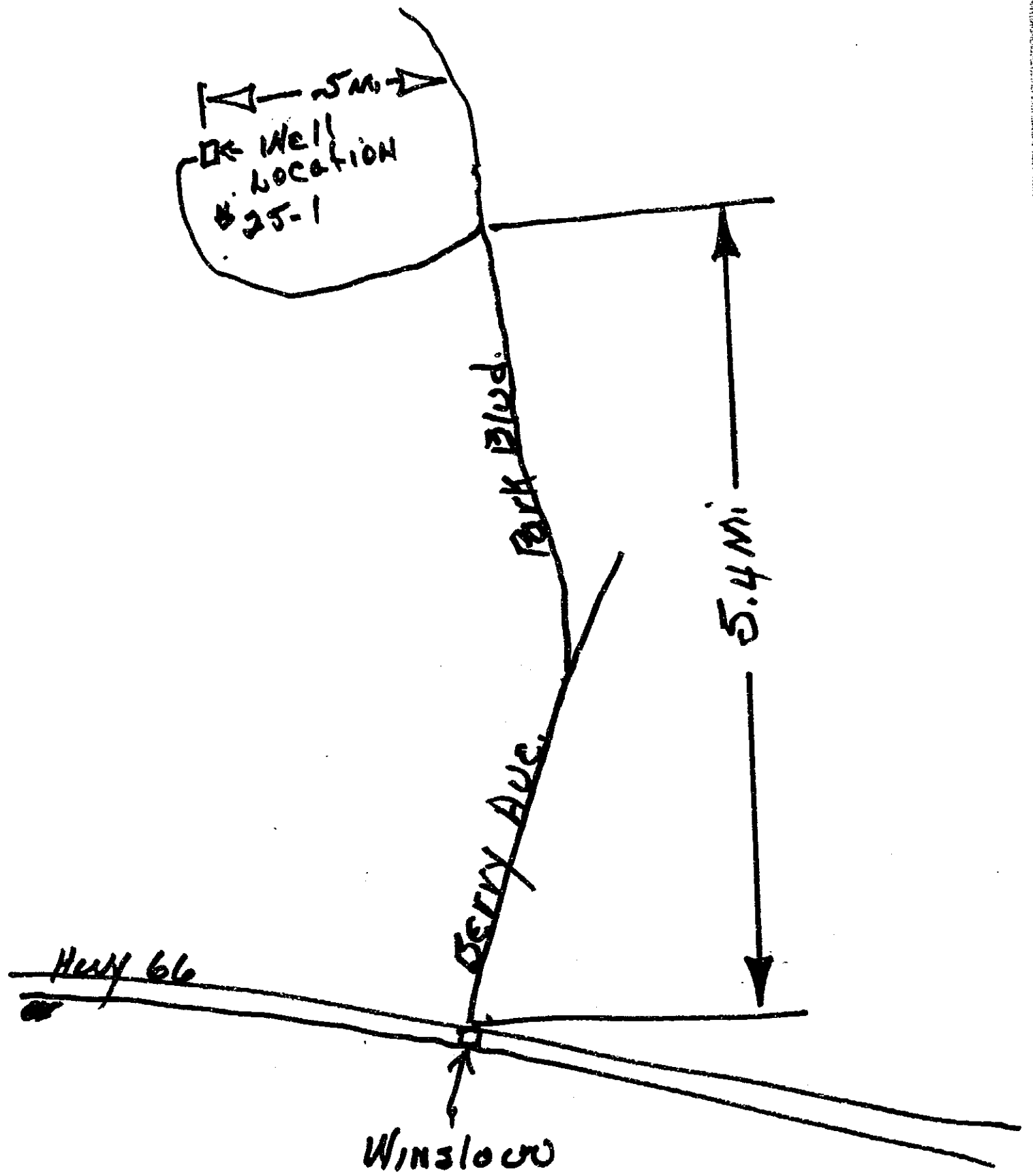
JOHANNESSEN & GIRAND
CONSULTING ENGINEERS INC.
223 NORTH LEROUX
FLAGSTAFF ARIZONA
(602) 779-0388

Jan 29, 76 J&G No F045

Results of Survey
Webb No. 2 N.M.A.L.
Navajo County, Arizona
Well Located in the N½ S.E 1/4
Sec 25 T20N. R15E, G&SRB&M.



526
42′ 30″
527
528
529
530
40′
One Drop Spring
DIVIDE
Monkey Rock
Five Mountain Butte
COLORADO
BM 4827
4815T
4919T
4820T
4837
4825
4850
4835
4900
656
376
Winslow 7.5'



N

Webb Resources
NM-AL #25-1
Permit 656

PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: WEBB RESOURCES, INC.
(OPERATOR)

to drill a well to be known as

WEBB RESOURCES, WELL #25-1
(WELL NAME)

located 1988 FSL 847 FEL

Section 25 Township 20N Range 15E, Navajo County, Arizona.

The N/2 SE/4 Sec. 25, T20N, R15E 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 January, 19 76.

OIL AND GAS CONSERVATION COMMISSION

By W. E. Allen
EXECUTIVE SECRETARY

PERMIT No. 656

SAMPLES ARE REQUIRED

RECEIPT NO. 0578

API# 02-017-20013

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

MEMO

webb resources, inc.

633 17th Street • Suite 2200
Denver, Colorado 80202

TO: Arizona Oil & Gas Commission 8686 North Central Suite 106 Phoenix, Arizona 85020	ATTN: Mr. Bill Allen
FROM: William A. Falconer, Exploration Manager	DATE: December 2, 1976
SUBJECT: Seven Well Program - Apache & Navajo Counties Arizona	REF:

Enclosed for your files on the wells listed below please find copies of the revised Geological Report. This should complete your files. Thank you.

a) #30-1 NMAL
b) #25-1 NMAL
c) #36-1 State
d) #6-1 NMAL
e) #8-1 NMAL
f) #29-1 Rocking Chair Ranch
g) #30-1 NMAL-Snowflake

RECEI

SIGNED Wm. A. Falconer/pat

November 1, 1976

Monaco Engineering, Inc.
Box 888
Lamar, Colorado 81052

Attention: Mr. Ken Ward
Vice President,
Engineer

Re: Webb Resources, Inc.-New Mexico-Arizona Land Company 25-1
NE/4 SE/4 Sec. 25, T20N, R15E, Navajo County
State Permit No. 656

Gentlemen:

Would it be possible for you to supply this office with another copy of the mud log on the above-referred well? For some reason the copy that was furnished by your Mr. Bob Schultz has been misplaced.

We will very much appreciate your cooperation.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

RECEIVED
AUG 20 1976
O & G CONS. COMM.

webb resources inc.

First of Denver Plaza • Suite 2200 • 633-17th Street • Denver, Colorado 80202 • 303/892-5504

August 18, 1976

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

Dear ~~Mr. Conley~~ Jack:

This is to advise that all data on all seven wells drilled by Webb Resources in Arizona is hereby released from confidential status. Also, Warren Carr will be in touch with Dr. Pierce concerning samples on the 30-1 well. Finally, I'd like to have a look at your maps when convenient for you. I'll call you when next in Phoenix.

Very truly yours,

WEBB RESOURCES, INC.

William A. Falconer
Chief Geologist

WAF:srl

cc: Mr. Warren Carr
P. O. Box 32436
Oklahoma City, OK 74132

OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

[redacted]

8686 N. CENTRAL, SUITE 105
PHONE: (602) 271-5161 PHOENIX, ARIZONA 85020

June 15, 1976

Ms. Kay Waller
Petro-Wells Libraries, Inc.
150 Security Life Building
1616 Glenarm Place
Denver, Colorado 80202

Re: June Current Material

Dear Kay:

Enclosed you will find the following material for May and June.

DATA: Completion reports and miscellaneous reports of the following wells:
Duval Corporation, Nos. 54, 55, 56.
St. Joe American Exploration Corp. Well No. 5
Morton Bros. Inc. Well No. 8-1
Webb Resources, Inc. NMAL No. 30-1
Webb Resources, Inc. NMAL NO. 25-1

LOGS: Duval Corporation, GRN on Well Nos. 54, 55 &56
St. Joue American, GRN on Well No. 5
Morton Bros. Well No. 8-1 , F-Log, Comp. Neutron- Formation Density, Laterlog, Mud Log & Strip Log.
Webb Resources, Unc. Well No.NMAL 30-1, Acoustilog, Laterolog.
Webb Resources, Inc. Well No. 25-1, Densilog, Dual Induction-Focused Log.

Thank you.

W. E. Allen

456

webb resources, inc.

First of Denver Plaza · Suite 2200 · 633-17th Street · Denver, Colorado 80202 · 303/892-5504

May 6, 1976

Arizona Oil and Gas Commission
8686 North Central Avenue
Suite 106
Phoenix, Arizona 85020

Attention: W. E. Allen, Director
Enforcement Section

Dear Mr. Allen:

By this letter Webb Resources, Inc. wishes to discontinue the TIGHT HOLE STATUS on the following wells:

#30-1 NMAL
NW SE Sec. 30-15N-25E
Apache County, Arizona

#25-1 NMAL
NE SE Sec. 25-20N-15E
Navajo County, Arizona

#36-1 State
NE SE Sec. 36-19N-17E
Navajo County, Arizona

#6-1 NMAL
NE SE Sec. 6-14N-22E
Navajo County, Arizona

Yours truly,

WEBB RESOURCES, INC.

William A. Falconer
Chief Geologist

WAF:smb

RECEIVED
MAY 10 1976
O & G CONS. COMM.

webb resources, inc.

First of Denver Plaza · Suite 2200 · 633-17th Street · Denver, Colorado 80202 · 303/892-5504

April 19, 1976

Mr. W. E. Allen, Director
Enflorcement Section
Oil & Gas Conservation Commission
State of Arizona
4515 North 7th Ave.
Phoenix, Arizona 85013

Dear Mr. Allen:

This letter is to request an additional six(6) months confidentiality period on the following wells drilled by Webb Resources, Inc. in Navajo and Apache Counties:

(1)	#30-1 NMAL	NW SE	30-15N-25E	TD: 4032'
(2)	#25-1 NMAL	NE SE	25-20N-15E	TD: 3797'
(3)	#36-1 State	NE SE	36-19N-17E	TD: 3806'
(4)	#6-1 NMAL	NE SE	6-14N-22E	TD: 3631'
(5)	#8-1 NMAL	SW NE	8-14N-20E	(drilling)

Thank you for your cooperation.

Very truly yours,

WEBB RESOURCES, INC.

William A. Falconer
Chief Geologist

WAF:srl

RECEIVED
APR 22 1976
O & G CONS. COMM.

Chevelon Butte Cattle Co.

P.O. DRAWER AX WINSLOW, ARIZONA 86047

3/10/76

Mr. Bill Allen
O.G. Commission, State of Ariz.
8686 North Central, Suite 106
Phoenix, Arizona

Dear Mr. Allen:

Please find enclosed herewith oil & gas forms properly filled out.

Thank you for your early reply & consideration. Mr. Art Dyson of Webb Resources, Denver Colo. would like a copy for his records & I would like one for my records.

Thanking you again for the fine cooperation, I remain

Sincerely yours
M.J. O'Hare

RECEIVED
MAR 11 1976
O & G CONS. COMM.

copies mailed 3-11-76

Memo: To File

From: W. E. Allen

Sub: Webb Resources
New Mexico-Arizona Land Company #25-1
Permit #656
NE SE Sec 25, T20N,R15E

March 3, 1976

Warren Carr, geologist, for Webb Resources, contacted me last night for permission to plug the above referenced well.

Plugs are to be set at 1430', 1070' and 597'. Heavy mud will be placed between all plugs. A 20' plug and a regulation dry hole marker will be placed at the top of the hole. The above mentioned plugswill adequately protect all fresh water from any contamination in this hole. They will also prevent any possible migration of fluids or gases from one zone to another. There appears to be a fresh water zone at 1193.

March 1, 1976

Mr. Jim Webster
Photogrammetry & Mapping Services
Highway Division
Department of Transportation
1739 W. Jackson, Room 61
Phoenix, AZ 85007

RE: Current Spud Dates

Dear Mr. Webster:

This letter is to notify you of the following spud dates:

Permit #654, Morton Brothers — Spud 12-29-75

Permit #656, Webb Resources — Spud 2-3-76

Please see Application to Drill for locations.

Thank you,

Saralee Lorenzo
Secretary

OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013

2686 N. CENTRAL, SUITE 106
PHOENIX, ARIZONA 85020

PHONE: (602) 271-5161

February 5, 1976

Gus Falconer
Webb Resources, Inc.
First of Denver Plaza
Denver, Co. 80202

Dear Mr. Falconer:

Enclosed are copies of well records and logs that were requested this date by Mr. Warren Carr.

The copies are of our files:

Ferrin State #1 Permit 301
NE/SW Sec 10, 19N, R17E

Ferrin #1-4 Permit 314
SW/SW Sec 4, T19N,R17E

Ferrin #2 State Permit 315
SW/SW Sec 10, T19N, R17E

Ferrin #1 NMA Permit 344
NW/NW Sec 22, T19N,R17E

If you have any questions, please let me know.

Very truly yours,

Saralee Lorenzo

Saralee Lorenzo(Mrs)
Secretary

xxxxxxxxxxxxxxx 8686 N. Central
xxxx Suite 106, 85020

January 30, 1976

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliffe:

The following permit was issued today:

Webb Resources Well #25-1
1988 FSL & 847 FEL
Sec 25, T20N,R15E
Navajo County
Permit #656

Very truly yours,

Saralee Lorenzo
Secretary

sl

xxxxxxxxxxxxxxxxx 8686 N. Central
xxxxx Suite 106, 85020

January 30, 1976

Mr. William Falconer
Webb Resources, Inc.
1776 Lincoln Street
Denver, Co. 80203

RE: Webb Resources Well #25-1
NE/SE Sec. 25 T,20N, R15E
Permit #656
Navajo County

Dear Mr. Falconer:

Attached you will find the approved Application to Drill and Permit for the drilling of the above referenced well. You will note on the application that the footage location for this well has been inserted from information furnished by Johannessen & Girand's location plat of this well.

Also you will note that this office has designated this well as New Mexico-Arizona Land Company #25-1 in keeping with our well numbering system. Please see Rule 104 (a copy of this is attached) for information pertaining to our well numbering system.

Please also note that we have changed the elevation to 4855.6 GL which agrees with the plat.

Please also find enclosed your receipt for the $25.00 filing fee and the necessary forms to keep us advised on your progress.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/sl

Encls.

P. S. Please advise if you wish this well to be drilled in a confidential manner.

JOHANNESSEN & GIRAND
Consulting Engineers, Inc.
6611 North Black Canyon Highway
PHOENIX, ARIZONA 85015

Phone 602 242-3420

LETTER OF TRANSMITTAL

DATE	JOB NO.
1/29/76	F045

ATTENTION: W. E. Allen, John Bannister

RE: Webb Resources, Inc.
New Mexico-Arizona Land Co.
Webb No. 2 N.M.A.L.

TO Arizona Oil & Gas Commission
8686 North Central, Suite 106
Phoenix, Arizona 85021

GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1=	1/29/76		Results of Survey Map

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☒ attach to application
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED
JAN 30 1976
O & G CONS. COMM.

COPY TO Webb Resources, Inc.

SIGNED: E D Kuehn

Form 240-D — New England Business Service, Inc., Townsend, Mass

If enclosures are not as noted, kindly notify us at once.

MEMO

WEBB RESOURCES, INC.
FIRST OF DENVER PLAZA
633 17th STREET SUITE 2200
DENVER, COLO. 80202

webb resources, inc.

~~1776 LINCOLN STREET~~
DENVER, COLORADO 80203

TO: Arizona Oil & Gas Commission 8686 North Central Phoenix, Arizona 85020	**ATTN:** Mr. Allen
FROM: William A. Falconer, Chief Geologist	**DATE:** January 26, 1976
SUBJECT: #2 NMAL N/2 SE/4 Sec. 25-20N-15E Navajo County, Arizona	**REF:**

Enclosed for your approval on the subject well please find the following:

1. Application for Permit to Drill
2. Well Permit Fee: $25.00

Survey Plats will be submitted under separate cover.

Thank you.

WAF:smb
enclosure

RECEIVED
JAN 28 1976
O & G CONS. COMM.

SIGNED William A. Falconer/smb

[redacted]

P A Y E E: DETACH THIS STATEMENT BEFORE DEPOSITING CHECK

Webb Resources, Inc.

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISCOUNT OR DEDUCTION	NET AMOUNT
1-26-76		Vo. #1-196-76 Well Permit Fee #2 NMAL Navajo County, Arizona Deal No. X-705-12	$25.00		$25.00

New address
Gus Falconer
Water Resources Inc
First of Denver Plaza
633 17th Street Suite 2000
Denver Co 80202

REMA

WATER

BOND C

BOND AM

FILING

API NO.

PERMIT NU

Perm

P