

ATTACHMENT A
APPLICATION TO PLUG AND ABANDON

FIELD Wild Cat

OPERATOR _____ ADDRESS & PHONE _____

LEASE NUMBER (Lessor's name if fee) _____ WELL NO. _____

LOCATION Section 31, T-38-N, R-5-W, Mohave County, Taroweap Block

TYPE OF WELL Dry - previously plugged TOTAL DEPTH 4663'
(Oil, Gas, or Dry)

ALLOWABLE (If Assigned) _____

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

GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD:

See attached available well records.

2. FULL DETAILS OF PROPOSED PLAN OF WORK:

See attached plugging plan.

DATE COMMENCING OPERATIONS August 1, 2024

NAME OF PERSON DOING WORK North Wind Site Services, LLC ADDRESS 1425 Higham St, Idaho Falls, ID 83402

Mail one copy of completed form to:

Oil and Gas Program Administrator
Arizona Department of Environmental Quality
1110 W. Washington Street
Phoenix, AZ 85007

email one copy to: ogcc@azdeq.gov

Signature

President

Title

1425 Higham St, Idaho Falls, ID 83402

Address

June 11, 2024

Date

Date Approved _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Application to Plug and Abandon

File two copies: one by mail, one electronically

Form No. 9

Permit No. _____

The Valen Oil Federal #1 well was spud on lease Arizona-015942 (became AZA-026317 in March 1988) issued to Western Drilling Company in July 1957. Drilling began the same day as approval and ended May 1958. The well was drilled to a Total Depth of 4663 ft with 48 ft of 13 3/8" casing, 791 ft of 10 3/4" casing, 2912 ft of 8 5/8" casing, and 3736 ft of 7" casing.

In May 1958, the 7" casing was reported pulled by Western Drilling Company and they allegedly set 4 cement plugs and filled the hole with heavy mud. However, during attempts to recover the performance bond, inspections of the well revealed it was left open. Mr. Shaw of Colonial Homes, Inc wrote a letter to the USGS saying on March 7, 1962, they pulled 1,353 feet of 8 5/8" casing, filled the hole with heavy mud and plugged the top 50 feet of the well with cement. The USGS acknowledged Mr. Shaw's letter, although the necessary forms were never filed with the Arizona Oil and Gas Commission and after much correspondence and fraudulent allegations the Arizona Oil and Gas Commission canceled the performance bond.

In 1988, Pathfinder Mines completed a down-hole assessment of the Valen Oil Federal #1 for possible use as a water well and found that the hole was open. John Cottrell of Pathfinder Mines told Becky Hammond, BLM Geologist, that Pathfinder went down several thousand feet and encountered a static water level in the hole at 1,900 feet from the Mississippian Redwall aquifer. He said that Pathfinder ran into no cement, the well had never been plugged and the casing they encountered in the hole was not that indicated in the well reports submitted in the late 1950's.

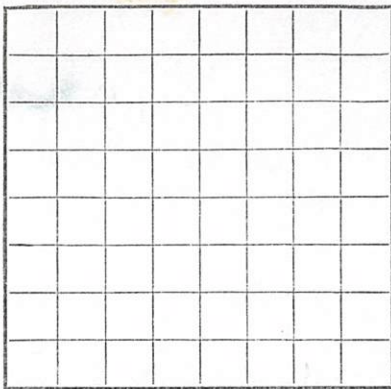
Denison Mines was similarly interested in the potential of the Valen Oil Federal #1 as a water well and in 2008 they entered the well and took down-hole video. The video confirms there is 48 feet of surface casing, and the hole is uncased to a depth of at least approximately 1,310 feet where scaling on the walls of the drill hole got so thick as to prevent the camera from going deeper. It appears probable the 7" casing was removed in 1958 and the video confirms the intermediate casing was removed from approximately 1,310 feet to the surface. Pathfinder's observations suggest there is intermediate casing from below 1,310 to 2,912 feet, as reported in the well logs. The casing size and weight are not known.

WELL LOCATION INFORMATION

US Well No.	Well Name	Status	State	County	TWP	RGE	SEC	QTR	LATITUDE	LONGITUDE
02-015-05002	Valen Fed #1		AZ	Mohave	38N	5W	31	NWSE	36.64880	-112.86949

GEOLOGIC FORMATION DEPTHS (MD, feet below surface)

Well Name	Formation 1	Formation 2	Formation 3	Formation 4
Valen Fed #1	Red Wall Lime 2815'-3375' (water)	Upper Supai 1815'-2497' (water)		



U. S. LAND OFFICE _____
SERIAL NUMBER *Arizona 015 942*
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 26 1958
U. S. GEOLOGICAL SURVEY
LARAMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company *Western Day Co* Address *Kuback Texas*

Lessor or Tract *Federal* Field *Widest* State *Arizona*

Well No. *1* Sec. *31* T. *32N* R. *3W* Meridian _____ County *Mohave*

V/W Location *1/4* of *1/4* ft. [N.] of *SW 1/4* Line and *1980* ft. [E.] of *E* Line of *31* Elevation *5050*
1980 *5* *31* *5050*
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *Kay V. Hays*
Title *Tool Pusher*

Date *May 15 - 1958*

The summary on this page is for the condition of the well at above date.

Commenced drilling *July 26*, 19*57* Finished drilling *May 9*, 19*58*

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from *2035* to *2500* No. 3, from _____ to _____
No. 2, from *2887* to *2900* No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<i>13 3/8</i>	<i>48</i>	<i>8</i>	<i>Strong</i>	<i>60</i>	<i>Tex Pat</i>				<i>SURFACE</i>
<i>8 5/8</i>	<i>32</i>	<i>8</i>	<i>CF 47</i>	<i>27 1/2</i>	<i>Tex Pat</i>				<i>Water</i>
<i>7 1/8</i>	<i>28</i>	<i>8</i>	<i>Strong</i>	<i>3730</i>	<i>Tex Pat</i>	<i>3730</i>			<i>Water</i>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<i>13 3/8</i>	<i>60</i>	<i>8 52x</i>			<i>5050x</i>
<i>8 5/8</i>	<i>2912</i>				<i>5050x</i>
<i>7 1/8</i>	<i>3730</i>				<i>5050x</i>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

FOLD MARK

FOLD MARK

375
7119
2912
3730
0
5052
5052
502
502

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from feet to 0 feet, and from 4663 feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

PSA, 19..... Put to producing, 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES

WA Torbet, Driller Chas Miller, Driller
, Driller, Driller

FORMATION RECORD

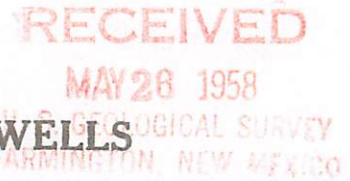
FROM-	TO-	TOTAL FEET	FORMATION	ASO
0	80	80	MOENTHER SH	FMH
80	940		15000 & Torwood	
940	1010		CORONINO Sand	PENNY
1010	1815		Hermit SH	
1815	2497		UPPER SUPR	
2497	2740		Lower Callville	DONN
2740	2815		LOWER SUPR	
2815	3375		Red Wash limo	MISS
3375	3685		Temple Butte	Dev
3685	4185		UN Named (Camb. Dol)	
4185	4625		MUAV limo	Camb
4625	4663		Bright Anyko Shale	Camb



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. Arizona 015942
Unit _____



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Federal May. 20, 1958
Well No. 1 is located 1980 ft. from [S] line and 1980 ft. from [E] line of sec. 31
NW 1/4 of 31 31 38N 5W
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wild Cat Mohave Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5059 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Filled w/ Cement 4663 - 4613 mud to 3575.
Cement 3575 - 3475 mud to 2950
Cement 2950 - 2875. Cement 37' in 8 3/8 csg
Bottom 8 3/8 csg @ 2912 10 ft cement top
8 3/8 csg BULL Plug w/ 4' mortar P.A. J. Rowe
in 8 3/8 csg

7" csg P.H.L. &

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Western Drilling Co
Address 903 Lubbock Nat. Bank Bldg
Lubbock Texas
By King Hass
Title Tool Pusher

FOR ADDRESS & STAMP LINE

Colonial Homes, Inc.

Phone EX. { 3-6109
3-6100

P. O. Box 1446

HOBBS, NEW MEXICO

April 16, 1962

Mr. P. T. McGrath
District Engineer
United States Dept. of the Int.
Box 959
Farmington, New Mexico

Dear Mr. McGrath:


This will acknowledge receipt of your letter dated
March 20, 1962.

The following is the information you requested:

Valen Oil Co. Gov. No. 1 Well
Section 31
T-38-N, R-5-W, Mohave County, Arizona
Taroweap Block
Permit #43, Western Drilling Co., Inc.

Please advise if there is further information needed.

Very truly yours,


M. A. SHAW

MAS:jp

Colonial Homes, Inc.

AFFILIATED:

BEL AIRE SHOPPING CENTER
BEL AIRE LOUNGE
PEPPERMINT PARK
COLONIAL CONSTRUCTION COMPANY
COLONIAL POOL COMPANY
COLONIAL RENTALS
HOBBS HOME FOR THE ELDERLY
HOMES INSURANCE AGENCY
STOKES LUMBER COMPANY

Phone EX. { 3-6109
 { 3-6100
P. O. Box 1446
HOBBS, NEW MEXICO

March 15, 1962

U. S. G. S.
Farmington, New Mexico

Gentlemen:

On March 7, 1962, at Fredonia, Arizona,
we pulled 1353 feet of 8 5/8 casing.

We filled the hole with heavy mud within
50 feet of the top, then plugged it with cement
to the top; replaced marker, cleared grounds and
filled cellar with dirt.

Very truly yours,



M. A. Shaw

RECEIVE

MAR 15 1962

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

AR12 015942

Nestor Drilling Co., well
marker welded in top
of casing -

Set dry and safe
but not leveled

Junkie -

cellar not filled

11/29/58
J.M.M.

Lease No. AR 015942 State Ariz
County Maricopa
Company Nestor Drilling Co.
Well No. 1
Footage 1080/9 & 1980/5
Sec. 31 T. 38 N R. 5 W
Drilg. PROD.: Gas OIL
Abd. T.A. S.I.

OPERATIONS O.K.

Remarks:

Fill cellar & pit.
Cement marker.
clean up location
sprink casing, thread
protector, etc.

Set the marker

Date: 5-10-60

Eng. Initial: P.J.M.

Lease No. Ariz. 01-5942
County Maricopa State Ariz.
Company Nestor Drilling Co.
Well No. 1
Footage 1080/9 & 1980/5
sec. 31 T. 38 N R. 5 W
Drilg. PROD.: GAS OIL
Abd. T.A. S.I.

OPERATIONS O.K.

Remarks:

Abd. P.K.

Date: 5-28-63

Eng. Initial: P.J.M.

Western Drlg. Co., Inc.

Federal 10

OPERATOR ~~Valin Oil & Gas Co.~~ PERMITTEE

WELL No. 10

Field	Wildcat	APPROVAL DATE	7/25/57
County	Mohave	SPUD DATE	7/25/57
State	Arizona	HEADACHE SHEET POSTED	5-15-58
Sec.	31 T. 38N R. 5W	MAPS POSTED	5-15-58
Subdivision	NW SE NE SW	1ST PROD.	(NO) (YES)
Location	1980 1/2 1980 1/2 E	DISCOVERY	(NO) (YES)
Serial No.	Ariz. 015942	LWR	(PRE-3-21-58) (FINAL)
Ref. No.	Elev. 5050 ft. and S.	7-21-57	250
Rig	Surface	8-7	250
Contractor	Allredbe & Stroud	9-5	250
Casing	Cable tools	-11	250
Geology	Geology	SEP 18 1957	502
TA	TA	9-25	602
TS	TS	10-10	758
BS	BS	10-16	770
TBL	TBL	-22	701E
Kaibab	80' sp.	20	1100
Permian	10	11-6	1510
Upper Supai	1815	11-13	1950
Lower Supai	2740	23	2275
Mississippian	2815	26	2575
Cambrian	3375	11-4	2700
Triassic	4225	12-11	2790
Permian	4625	1	2820
Triassic	4825	1-1-58	2890
Permian	5025	14	2938
Triassic	5225	-22	2965
Permian	5425	1-27	2965
Triassic	5625	2-5	3000
Permian	5825	2-12	3500
Triassic	6025	17	3500
Permian	6225	-26	3500
Triassic	6425		3500
Permian	6625	5-2	3500
Triassic	6825	-12	3500
Permian	7025	17	3500
Triassic	7225	18	3500
Permian	7425	23	4300
Triassic	7625	30	4500
Permian	7825	5-7	4663
Triassic	8025	13	4663

PRE IWR 3-20-58

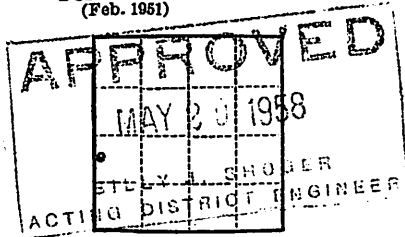
Vertical (handwritten notes)

Log rec.

Subs rept. rec.	at
Int. to. Alld. rec.	at
App. to. plng 5/9/58	
plng in bottom	
plng 3325-4225	
plng 4125-5025	
plng 1500-1900	
plng 700-1900	
Surface plng	

5-9

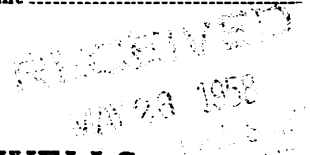
5/13/58 R/F



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. Arizona 015942
Unit _____



SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Federal May 12 - 1958, 19____
Well No. 1 is located 1980 ft. from S line and 1980 ft. from E line of sec. 31
NW 1/4 OF SW 1/4 31 38 N 5W Arizona
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Mohave Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5050 ft ft.

DETAILS OF WORK

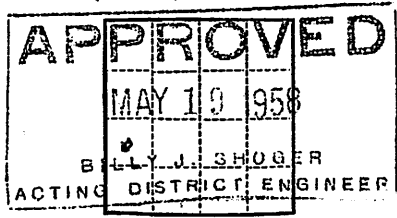
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

60' 13 3/8 Corrupted
3730' 7" P54 Puked
2912" 8 5/8 mud water shut off

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Western Dry Co
Address 902 Lubbock Nat Bldg
Lubbock Texas
By Raymond Hatt
Title Tool Pusher

FOR Ackndge & Stroud Inc



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. Arizona 015942
Unit _____

RECEIVED

MAY 19 1958

SUNDRY NOTICES AND REPORTS ON WELLS. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL <input checked="" type="checkbox"/>	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Federal

May 12 1958, 19

Well No. 1 is located 1980 ft. from S line and 1980 ft. from E line of sec. 31

NW 1/4 of SW 1/4 31 38N 5W Arizona
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcox Moहन Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5039 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cement 4663 TO 4613 mud 4613 - 3525 Cement at
 3525- 3425 mud 2950 Cement TO 2875
 Bottom 8 5/8 csg @ 2912 Cement 37 FT IN 8 5/8 csg
 10 FT Cement Plug TOP 8 5/8 csg BULK W/ 4"
 Vertical Pipe Sealed IN TOP 8 5/8 csg
 Clean & correct location

Pull 7" csg 3730 FT

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Lebston Day Co

Address 902 Lubbock Nat. Bank Bldg
Lubbock Texas

By W. E. Hays
 Title Tool Pusher

FOR Addadge & Stroed inc

LAND

Phoenix, Arizona

OFFICE

(SUBMIT IN TRIPLICATE)

Land Office

Lease No.

Unit

JUL 17 1957

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HOURS

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

JUL 25 1957

GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12, 1957

Well No. 1 is located 1980 ft. from {N} line and 1980 ft. from {E} line of sec. 31

SE/4 of Sec. 31 (1/4 Sec. and Sec. No.) 38-N (Twp.) 5-W (Range) G&SR&M (Meridian)

Wildcat (Field) Mohave (County or Subdivision) Arizona (State or Territory)

The elevation of the derrick floor above sea level is ft. (To be supplied)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Approximately 300' of 10 3/4" surface casing (32.75# H-40 A.P.I.) cemented with 200 sacks of cement, (Sufficient depth to seal off all fresh water).

Approximately 4600' of 5 1/2" or 7" oil string set on top of pay, properly cemented, to adequately protect the oil or gas bearing pool. (Exact length, weight and size of oil string and cementing program to be determined by depth and type of production encountered).

RECEIVED

JUL 22 1957

U.S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WESTERN DRILLING COMPANY, INC.

Address 902 Lubbock National Bank Building

Lubbock, Texas

By James A. Lewis

Title Attorney - Agent

(SUBMIT IN TRIPLICATE)

Land Office PHOENIX
Lease No. AR 04687
AR 015942
Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPROVED
JUL 25 1957
JERRY W. SUNDRY
ACTING DISTRICT ENGINEER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....
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July 12, 1957

Well No. 1 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 31

SE/4 of Sec. 31
(1/4 Sec. and Sec. No.)
Wildcat
(Field)

33-N
(Twp.)
3-4
(Range)
McHale
(County or Subdivision)

G&SR&M
(Meridian)
Arizona
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft. (To be supplied)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Approximately 330' of 10 3/4" surface casing (32.75# H-40 A.P.I.) cemented with 200 sacks of cement, (Sufficient depth to seal off all fresh water).

Approximately 4600' of 5 1/2" or 7" oil string set on top of pay, properly cemented, to adequately protect the oil or gas bearing pool, (Exact length, weight and size of oil string and cementing program to be determined by depth and type of production encountered).

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WESTERN DRILLING COMPANY, INC.

Address 902 Lubbock National Bank Building
Lubbock, Texas

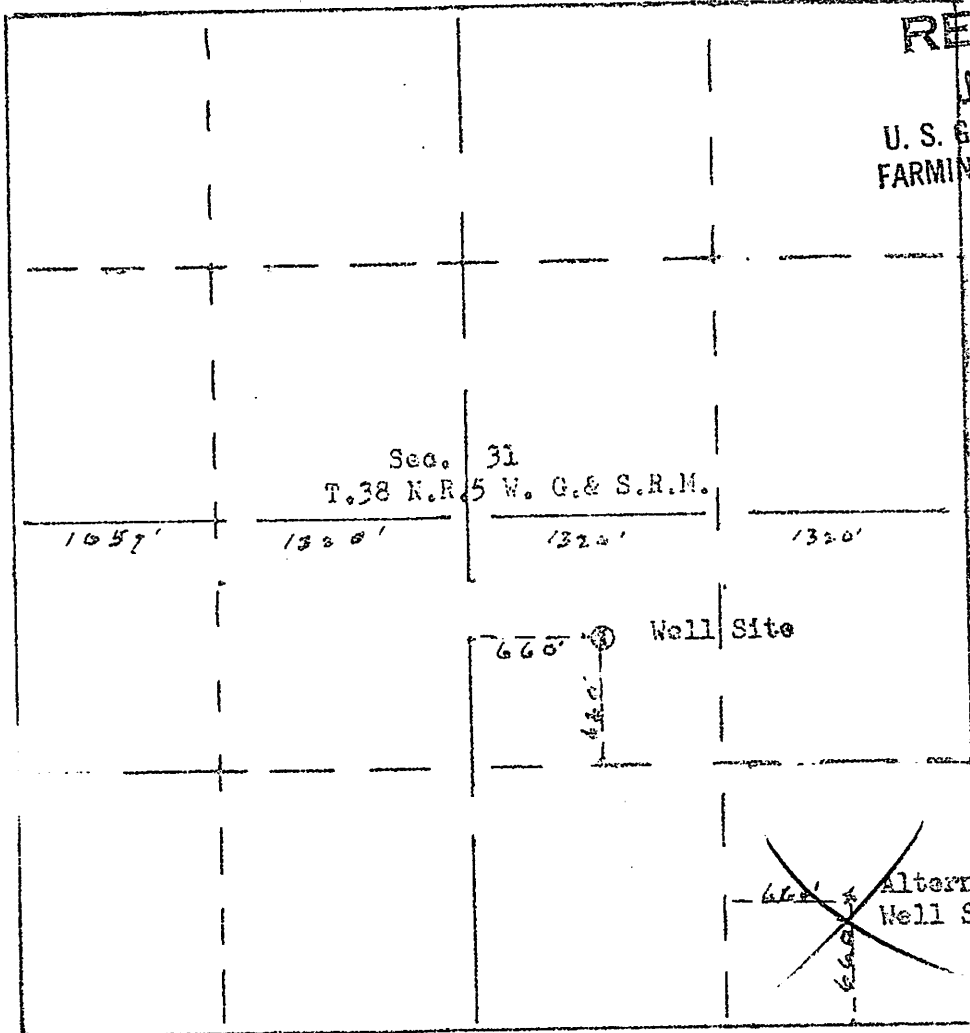
By James A. Lewis
Title Attorney - Agent

SURVEYED PLAT & SECTION FOR AUSTIN D-165

T.38 North, RANGE 5 WEST. MOHAVE CO. ARIZ.

RECEIVED

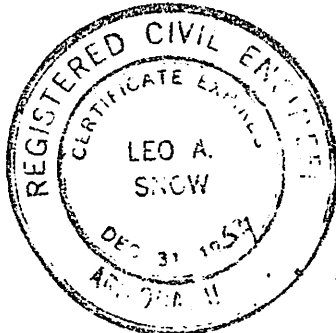
JUL 31 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO



Scale 1" = 1000'

Elevation is 5050' for Well Site.

I, Leo A. Snow, a duly licensed engineer in the State of Arizona, Hereby certify that this map has been correctly drawn to the designated scale from field notes of a survey made by me on the 16th, day of July, 1957, and that it represents the proposed well Site and an Alternate Well Site.



Leo A. Snow

Leo A. Snow, License No. 1224

Well Plugging Procedures (Design)

Valen Fed #1

1. Check wellhead pressure. Kill well if necessary.
2. Dig out wellhead and pit.
3. Move in Rig Up
4. Run in hole with coil tubing and tag bottom @ +/- 1310'. If tag is more than 100' deeper or shallow than 1310', contact COR for instructions.
5. Condition well bore by circulating bottoms up volume times 1.5. If hole is not static, contact COR for instructions.
6. Set an approximately 1025 sack Class "G" neat balanced plug from 1310' feet to surface. (this will be done in at minimum 2 sections)
7. Wait On Cement 24 hours
8. Top off cement as needed.
9. Dig out and cut off wellhead. Weld on well information inscribed plate.
10. Backfill cellar and clean up location.

ATTACHMENT A (Cont'd)

LID# - 439-1		Slurry Recipe		%	lb sack	
Density 15.8 ppg	Base	1)	94 lb/sk	Class G	100%	94
		2)	0 lb/sk		0%	0
		3)	0 lb/sk		0%	0
		4)	0 lb/sk		0%	0
		94 lb sk Wt				
Yield 1.15 ft ³ /sk	Additives	1)				
		2)				
		3)				
		4)				
H2O Req'd 5.025 gal/sk	Additives	5)				
		6)				
		7)				
		8)				

Lab Testing Results				
MD/TVD - 1000 ft/1000 ft				
BHST:	90	°F	Final Press:	1,000 psi
BHCT:	80	°F	UCA	
TTT @ 70 Bc	6:05	hr:min	50 psi	5:06
Calc API FL	N/A	mL/30min	500 psi	10:00
FF Angle	45	°	12 hr	761 psi
Free Fluid	1.4	%	24 hr	2054 psi

Rheology 1	RPM	600	300	200	100	60	30	6	3	PV	YP	10 sec	10 min	
Temp	80	°F		62	52	42	37	31	21	15	42	25	8	10

Rheology 2	RPM	600	300	200	100	60	30	6	3	PV	YP	10 sec	10 min	
Temp	80	°F		72	64	52	46	41	24	17	49	31	7	8

