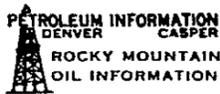


P-W

Superior Oil Company/Navajo-M
NW/4-SW/4 Sec. 10-T41N-R30E
Apache County

44

ARIZONA
 APACHE COUNTY
 TWIN FALLS CREEK



Twp 41n-30e
 Section 10
 c nw sw
 1980 n/s 660 e/w

OPR: Superior Oil

WELL #: 1 Navajo "H"

ELEV: 4891 KB.

*TOPS: Log-Samples

Base limey zone 2061
 DeChelly Sd 2392
 Organ Rock Sh 2708
 Hermosa 4256
 Upper Boundary Butte 5016
 Desert Creek Tongue 5168
 Lower Boundary Butte 5186
 Chimney Rock 5344
 1st Barker 5500
 2nd Barker 5518
 3rd Barker 5776
 Molas 5968
 Weathered Leadville 6066
 Unweathered Leadville 6096
 Madison Dolo poro 6260

DSTS. & CORES:

Crd 5120-77, rec 57 - 6
 ls, light grey, dense,
 finely crys; 2 ls, light
 grey, w/few scattered
 vugs, excellent stain,
 fluor & cut along hair-
 line fractures scattered
 thruout, some vugs
 w/fair odor; 3 ls, light
 grey, finely crys, very
 good vuggy poro, good
 p&p, few vugs w/sli
 stain & no odor, fluor
 or cut, probably wet;
 22 ls, light-med grey,
 finely crys, excellent vuggy
 poro, very good perm, fair odor & poor-fair stain & fluor, fluor
 very golden - probably residual oil, good cut from fluor pieces,
 abundant wet sh partings thruout, inconsistent show thruout poro interval; 3 ls, light-med grey,
 finely crys, good pp & small vuggy poro, no fluor, stain, cut or odor, possibly wet; (over)

SPUD: 8-30-57

COMPL: 10-16-57

TD: 6317

PB:

CSG: 10-3/4" @ 1018 w/560

PERF:

PROD. ZONE:

INIT. PROD: D & A.

SUPERIOR OIL #1 NAVAJO "1", c nw sw 10-41n-30e, APACHE COUNTY, ARIZONA - 2

5 ls, light grey, w/abundant sh partings, no fluor, cut, stain or odor, fair poro, foss; 2 ls, light grey, dense, crys, w/1 vertical fracture containing very sli odor, good golden fluor, good cut & stain along part of fracture; 5 ls, med-grey, arg, dense, fine, becoming more arg @ bottom; 9 sh, black, carb, sli calc, massive. DST 5107-77, 2 hrs, good blow air immed, decreasing to weak, gas in 1 hr 15 min, too small to measure, increasing sli for remainder of test, rec 4925 fluid - 450 GC muddy salt wtr, 4475 salt wtr, FP 800-2200#, SIP (1 hr) 2200#, HP 2700#. Crd 5177-5237, rec 60 - 6 sh, black, very carb 5182-83, sli fissile; 3 1/2 ls, med-grey, dense, finely crys; 1 1/2 ls, med-grey, finely crys, very few scattered pp, poro, bleeding oil & gas along few hairline fractures, excellent fluor, stain, odor & cut from along hairline fractures, few black carb sh partings; 10 ls, med-grey, sli arg, finely crys, dense, w/abundant black carb sh stylitic partings; 4 ls, med-grey, arg, finely crys, w/very few pp scattered thruout, wet appearance, sli sulfur odor on fresh break; 3 ls, med-grey, arg, finely crys, dense, w/small amt disseminated anhy in bottom 1; 9 ls, med-grey, finely crys, sh partings, very good ppp, heavily bleeding salt wtr, salty taste, sli sulfur odor, no fluor, cut, odor or stain, wet appearance; 4 ls, med-grey, finely crys, dense, sli arg; 19 ls, finely crys, dense, med-grey, arg @ top of interval to dark grey, very arg @ bottom. DST 5184-5237, 2 hrs, fair blow air thruout, rec 195 GCM, 545 GC muddy salt wtr, FP 125-250#, SIP (1 hr) 2000#, HP 2700#. Crd 5237-5263, rec 26 - 20 ls, very finely crys, dense, very dark grey, very arg @ top to black, very arg @ bottom, few small fractures from 5250-57 w/very sli odor in fractures on fresh break; 6 ls, black, extremely arg, finely crys, dense, w/few fractures w/very sli odor on fresh break, bottom 3 very cherty w/chert being black. Crd 5263-5322, rec 59 - 11 ls, dark grey-black, finely crys, dense, very arg, no visible poro, interbedded black sh & dark grey ls, sli odor on fresh fractures, even white fluor in sh partings; 3 ls, very dark grey, finely crys, dense, very arg, no visible poro, sli odor in bottom 1 w/very spotty yellow-gold fluor, good cut, tight; 1 1/2 ls, dark grey, finely crys, very arg, some very small pp & sli visible intercry poro, sli bleeding oil & gas, spotty uneven stain, good white spotty uneven fluor, good odor; 1 1/2 ls, dark grey, finely crys, dense, very arg, no visible poro.

(contd)

SUPERIOR OIL #1 NAVAJO "H", c nw sw 10-41n-30e, APACHE COUNTY, ARIZONA - 3

gold-golden brown fluor along fractures, no odor or stain, fair-good cut; 8 ls, dark grey-black, finely crys, dense, no visible poro, very arg, no odor or fluor; 4 ls, dark grey, finely crys, dense, no visible poro, very arg, no odor or fluor; 5 anhy, dark grey w/white crys giving speckled appearance; 2½ dolo, med-grey, very arg, w/anhy inclusions; 4½ anhy, light grey, & dolo, med-dark grey, calc, interbedded w/topography similar to weathered Leadville; 5 dolo, med-grey, extremely arg, almost dolomitic sh, very finely crys, dense, no odor; 2 anhy, dark grey, shaley w/small grey sh inclusions; 11 ls, dark grey, finely crys, dense, very arg, no visible poro, no odor or fluor. Crd 5560-5620, rec 60 - 1 ls, med-grey, finely crys, dense, sli arg, scattered vugs to pp, bleeding oil, gas & possibly some wtr, sour gas odor, uneven stain, spotty fluor, good cut; 4 ls, dark grey, finely crys, dense, very arg, no visible poro; one small spot gold-brown fluor, very sli cut, no odor or stain elsewhere; 7 ls, med-grey, finely crys, dense, sh arg, no visible poro, many hairline fractures 5568-69½; many fractures filled w/black sh, few small calcite inclusions, no odor; 5 dolo, limey, med-grey, very finely crys, very arg, no visible poro, no odor; 8 ls, dark grey, fine-very fine crys, very arg, no visible poro, no odor; 8 dolo, med-grey, finely crys, sli arg, no visible poro, very shaley in part, pokerchip partings, no odor; 1½ ls, med-grey, sli arg, good-excellent vuggy & ppp, bleeding gas & salt sulfur wtr, good even wet appearance, sulfur odor, scattered spotty fluor, very sli cut; 8½ ls, med-grey, finely crys, dense, arg, no visible poro, no odor; 1½ ls, med-grey, sli arg, good-excellent ppp, few scattered vugs, bleeding oil, gas & wtr, good uneven yellowish-white fluor, poor to fair cut, even to uneven stain, fair odor, sli sulfur; 3½ ls, med-grey, sli arg, finely crys, dense, no visible poro, no odor; 2½ ls, light-grey, sli arg, fair-good vuggy-ppp, bleeding oil, gas & wtr, good even stain, good odor, sli sulfur, uneven yellowish white fluor, fair-good cut; 9½ ls, light-grey, finely crys, dense, no visible poro, no odor. DST 5550-5620, 2 hrs, good blow air immed, decreasing sli to end of test, rec 550 fluid - 460 muddy salt wtr, 90 GCM, FP 80-220#, SIP (1 hr) 2080#, HP 2835#. Crd 5620-80, rec 60 - 3 ls, dark grey, very finely crys, sli arg, sli foss, w/1 brach & 1 coral, very dense, no visible poro, spotty fluor along fractures, very sli cut, sli sour odor; 4 dolo, dark

(over)

SUPERIOR OIL #1 NAVAJO "M", c nw sw 10-41n-30e, APACHE COUNTY ARIZONA - 4

grey-black, finely crys, very arg, shaley, no visible poro, no odor; 6 ls, med-grey, med crys, dense, arg w/several small pebbles interbedded, no visible poro, sli odor; 1 1/2 dolo, limey, dark grey, finely crys, dense, few small vuggy spots w/any crys, some black stain in vugs, poor fluor, very sli cut, hairline fractures w/wet stain, sour odor on fresh fracture; 10 dolo, sli limey, med-grey, finely crys, dense, arg, no visible poro, interbedded anhy in 2, no odor; 1 ls, med-dark grey, fine-med crys, no visible poro, no stain or odor; 5 1/2 dolo, limey, greyish-tan, finely crys, dense, sli arg, no visible poro, many vertical & horizontal fractures, wet streaked stain along fractures, sli sour odor, no fluor or cut; 2 ls, dark grey, finely crys, arg, dense, no visible poro, no odor; 16 1/2 ls, dark grey-black, very finely crys, dense, very arg, no visible poro, small hairline fractures w/stain, sour gas odor, wet, bleeding wtr, spotty stain from fractures, sour odor, wet stain, no fluor, bottom 7 1/2 black & very shaley; 5 dolo, sli limey, med-dark grey, arg, finely crys, dense, no visible poro, many hairline fractures w/wet streaked stain, good gas odor, no fluor or cut, few scattered anhy inclusions; 5 1/2 ls, black, sli dolomitic, very finely crys, arg, dense, no visible poro, odor in 1. DST 5620-5680, 2 hrs, fair blow air immed, decreasing to poor @ end of test, rec 30 mud, FP 50-50#, SIP (1 hr) 65#, HP 2820#. DST 5680-5810, 2 hrs, weak blow air to dead in 10 min, dead for balance of test, rec 20 mud, FP 45-45#, SIP (1 hr) 60#, HP 2920#. Crd 6290-6317, rec 27 - 4 ls, light grey, fine-med crys, dense, w/abundant dolo, med-grey-tan disseminated thruout interval; 1 dolo, light grey-white, sucrosic, w/good vuggy poro, no odor; 1 dolo as above, dense, no poro; 4 dolo, light grey, sucrosic, w/fair scattered vuggy poro; 3 dolo, light grey, finely crys, dense, sucrosic, many interbedded w/few black sh partings; 4 dolo, med-grey-tan sucrosic, dense, sh, arg; 10 dolo, med-grey-tan, very sli arg, sucrosic, few scattered vugs, possible good intercrys poro, very strong sulfur odor. DST 6256-6317, 2 hrs, fair blow air immed, continued thruout test, rec 2465 fluid - 330 GC muddy salt wtr, 2135 salt wtr, FP 170-1160#, SIP (1 hr) 2025#, HP 3190#.

County Apache

Area Four Corners

Lease No. Navajo H

Well Name Superior Oil Company / Navajo H

Location NW SW Sec 10 Twp 41N Range 30E Footage 1980 FSL 660-FWL
Elev 4875' Gr. 4885' KB Spud 8-~~10~~-57 Completed 10-16-57 Total Depth 6317
Date 8-~~10~~-57 Abandon 10-16-57

Contractor _____

Casing Size 10 3/4 Depth 1018 Cement 560'

Drilled by Rotary X
Cable Tool _____

Production Horizon _____

Initial Production P & A

REMARKS _____

Elec (2) (2) (2) (2)
Logs Laterolog; IE; GRN; Microlaterolog
Applic. Plugging Completion
to Plug X Record X Report _____

Sample Log Am Strat
Sample Descript. _____
Sample Set T-960 P-334, 623
Core Analysis _____
DSTs _____

Water well accepted by _____

Bond Co. & No. American Insurance Co. Bond #5-11-22-63

Bond Am't \$ 25,000 Cancelled 11-5-86 Date Organization Report X

Filing Receipt 41650 Dated 7-31-57 Well Book X Plat Book X

API No. _____ Loc. Plat X Dedication W/2 SW/4

*Sample 334
623*

Permit Number 44 Date Issued 8-19-57

STATE LAND DEPARTMENT

STATE OF ARIZONA

Form O&G 56

Form Prescribed Under Oil and Gas Conservation Act of 1951

ABANDONMENT AND PLUGGING RECORD

(Within thirty days after the plugging of any well has been accomplished, the owner or operator thereof shall file this form with the Commissioner, setting forth in detail the method used in plugging the well.)

PLUGGING METHODS AND PROCEDURE-- The methods and procedure for plugging a well shall be as follows: (a) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore when ever possible.

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet below all fresh-water-bearing strata.

(c) A plug shall be placed at or near the surface of the ground in each hole.

(d) The interval between plugs shall be filled with heavy-mud-laden fluid.

(e) An uncased hole shall be plugged with heavy mud up to the base of the surface string, at which point a plug of not less than fifty (50) feet of cement shall be placed.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Operator The Superior Oil Company Field Wildcat
Pool _____
County Apache

Address all correspondence concerning this form to: The Superior Oil Company

Street: P. O. Box 276 City Cortez State Colorado

Lease Name Navajo 'H' Well No. H-1 Sec. 10 Twp. 41N Rge. 30E

Date well was plugged October 16, 19 57

Was the well plugged according to regulations of the Commissioner? Yes

Set out method used in plugging well and record of casing pulled: Plug #1: Equalized 110 sax cem thru DP hung at 6317'. Plug #2: Equalized 100 sax cement thru DP hung at 5100'. Plug #3: Equalized 50 sax cement thru DP hung at 2750'. Plug #4: Equalized 50 sax cement thru DP hung at 1018'. Checked top of plug #4 at 905' after 8 hrs.

Cut 10-3/4" surface casing off 4' below ground level. Placed 10 sax cement plug in top of casing and welded 1/2" steel plate over casing stub. Hole filled w/10.3#/gal mud

Wyoming (AFFIDAVIT) between plugs.
STATE OF ~~ARIZONA~~

COUNTY OF Natrona The Superior Oil Company
(Operator)

Before me, the undersigned authority, on this day personally appeared W.H.F. [Signature], known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this the 8 day of November, 19 57

My commission expires:

Notary Public in and for Natrona Co. Wyo

My Commission expires September 5, 1961

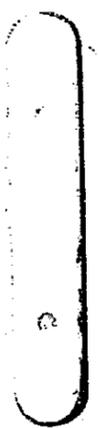
OK
PNA
11/13/57



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Section of the document containing several lines of faint, illegible text, possibly a list or a series of entries.

Bottom section of the document with faint, illegible text, including what appears to be a signature or name at the bottom right.



STATE LAND DEPARTMENT
STATE OF ARIZONA

Form O&G 55

Form Prescribed Under Oil and Gas Conservation Act 1951
APPLICATION TO ABANDON, PLUG, DEEPEN, SIDETRACK OR PERFORATE
(After Well Has Once Been Completed)

INSTRUCTIONS: -- File in duplicate with Commissioner. One copy will be returned with approval or denial.

FIELD: Wildcat
OPERATOR: The Superior Oil Co. ADDRESS P. O. Box 276, Cortez, Colo.
LEASE: Navajo WELL NO. H-1 COUNTY Apache
SURVEY: _____ SECTION _____ DRILLING PERMIT NO.: _____
LOCATION: 1980' FSL & 660' FWL Sec. 10, T 41N, R 30E, GS & R.M.

TYPE OF WELL: Dry Hole TOTAL DEPTH 6317'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) None
LAST PRODUCTION TEST: OIL _____ (Bbls.) WATER _____ (Bbls.)
GAS _____ (M.C.F.) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM: _____ TO _____

1. COMPLETE CASING RECORD: 10 3/4" 32.75# H-40 cemented at 1018'
with 560 sacks in 12 3/4" hole.

2. FULL DETAILS OF PROPOSED PLAN OF WORK: Will equalize cement plugs thru
4 1/2" D. P. as follows:

Plug #1 - Will equalize 110 sack plug thru DP hung at 6317'

Plug #2 - Will equalize 100 sack plug thru DP hung at 5100'

Plug #3 - Will equalize 50 sack plug thru DP hung at 2750'

Plug #4 - Will equalize 50 sack plug thru DP hung at 1018'

Will cut surface casing off 4' below ground level, place 10
sack cement plug in top of casing, and weld a 3/8" steel plate over casing stub
If the well is to be deepened to another zone other than that covered by permit,
this form shall be accompanied by a certified lease plat as is prescribed on Form No.
O&G 51.

If well is to be abandoned, does proposed work conform with requirements of SW
Rule 26? Yes. If not, outline procedure proposed above.

DATE COMMENCING OPERATIONS: Oct. 16, 1957
NAME OF PARTY DOING WORK: The Superior Oil Co. ADDRESS Box 276, Cortez, Colo
CORRESPONDENCE SHOULD BE SENT TO: Engineering Dept. (above Address)

NAME: George E. Nugent
TITLE: Engineer

APPROVED: _____ DAY OF _____ 19____.

DENIED: _____ DAY OF _____ 19____.

Obed M. Larson
STATE LAND COMMISSIONER

BY: _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL



13676

Form 9-330

U.S. Land Office Window Rock
Serial Number 14-20-503-337
Lease or Permit to Prospect Navajo

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P. O. Box 276, Cortez, Colorado
 Lessor or Tract Navajo Field Wildcat State Arizona
 Well No. 1018 Sec. 10 T. 41N R. 30E Meridian G.S. R.M. County Apache
 Location 1200 ft. $\left\{ \begin{smallmatrix} N. \\ S. \end{smallmatrix} \right\}$ of S. Line and 660 ft. $\left\{ \begin{smallmatrix} E. \\ W. \end{smallmatrix} \right\}$ of W. Line of Sec. 10 Elevation 4800' ^{KB}
(Denote elevations in feet)

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 A. E. August Title Engineer

Date November 5, 1957

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

Commenced drilling August 8, 1957 Finished drilling October 16, 1957

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

No. 1, from None 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 _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ 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-	
10-3/4	32.75	825	Sals.	1018'	Floater	None	-	-	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	1018	560	Pump & Plug		

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 0 feet to 6317 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing ~~Abandoned~~ October 16, 1957
 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

_____, Driller _____, Driller
 _____, Driller _____, Driller

MARK FOLD

Location 1500 ft. N. of S. Line and 650 ft. W. of E. Line of Sec. 19, T. 10 N., R. 10 W., S. 10. Elevation 1000 ft. (Derrick base 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 A. E. Nugent
 Title Engineer

Date November 5, 1957

Title Engineer

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

Commenced drilling August 8, 1957. Finished drilling October 16, 1957.

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

No. 1, from None 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 _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ 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—	
10-3/4	32.75	0.75	Sm. G.	1018'	Floater	None			Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	1018'	560	Pump & Plug		

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 6317 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing ~~Abandoned~~ October 16, 1957
 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

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		2391'	DeChelly
		2708'	Organ Rock
		4248'	Hermosa
		5035'	Upper Boundary Butte
		5168'	Paradox
		5186'	Lower Boundary Butte
		5344'	Chimney Rock
		5519'	Second Barker
		5968'	Molas
		6095'	Mississippian
		6317'	Total Depth

Dist:
 USGS (4)
 Koch
 Fraser
 Maurer
 Knapp
 File ✓

Form 9-321 b
(April 1953)

X			

(SUBMIT IN TRIPLICATE)
**UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY**

Budget Bureau No. 43-2120.4
 Approval expires 12-31-55.

Indian Agency _____
Window Rock
 Allottee Navajo
 Lease No. 14-20-603-367

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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
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)

November 7, 19 57

Well No. Navajo N-1 is located 1980 ft. from S line and 660 ft. from W line of sec. 10

NW SW Sec. 10 41N 30E G&S EM
(4 Sec. and 36th Rte.) (Twp.) (Range) (Meridian)
Wildcat Apache Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the kelly bushing above sea level is 4886 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)

Abandonment plugs placed as follows:

- Plug #1 - Equalized 110 sacks cement thru DP hung at 6317'.
- Plug #2 - Equalized 100 sacks cement thru DP hung at 5100'.
- Plug #3 - Equalized 50 sacks cement thru DP hung at 2750'.
- Plug #4 - Equalized 50 sacks cement thru DP hung at 1018'.

Checked top plug #4 at 905' after 8 hours.
 Cut 10-3/4" casing off 4' below ground level. Placed 10 sacks cement in top of casing and welded a 1/2" steel plate over casing stub.

Obtained verbal approval from Jerry Long with USGS in Farmington to place plugs as listed above on October 14, 1957.

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

Company The Superior Oil Company
 Address P. O. Box 276
Cortez, Colorado
 By H. E. Nugent
 Title Engineer

442



14927

Form 9-331 b
(April 1952)

X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-1334
Approval expires 12-31-60.

Indian Agency Window Rock
Allottee Navajo
Lease No. 14-20-603-367

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

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

November 7, 1957

Well No. Navajo H-1 is located 1980 ft. from N line and 660 ft. from W line of sec. 10

<u>NW 5/4 Sec. 10</u> <small>(1/4 Sec. and Sec. No.)</small>	<u>41N</u> <small>(Twp.)</small>	<u>30E</u> <small>(Range)</small>	<u>G&S R.M.</u> <small>(Meridian)</small>
<u>Wildcat</u> <small>(Field)</small>	<u>Apache</u> <small>(County or Subdivision)</small>	<u>Arizona</u> <small>(State or Territory)</small>	

The elevation of the kelly bushing above sea level is 4885 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)

Spudded: August 8, 1957 Abandoned: October 16, 1957

Set 10-3/4" casing at 1018' with 560 sacks cement in 13-3/4" hole.

Drilled 9" hole to 6317' TD.

BST #1 (5105' - 5177')

Open 2 hrs. Good blow of air decreasing to weak blow. Gas to surface 1 1/2 hrs.
Recovered 450' gas cut muddy salt water and 4475' salt water.
30 minutes ISIP 2500#, BHFP 800-2200# 1 hr. FSIP 2200#, Hyd. 2700#

(over)

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

Company The Superior Oil Company

Address P. O. Box 276

Cortez, Colorado

By H. E. Nugent

Title Engineer

Dist:
USGS -3
Koch
Fraser
Hawer
Thopp
Smith
File

44

DST #2 (5184' - 5237')

Open 2 hrs. Fair blow of air throughout test. Recovered 195' gas cut mud and 545' gas cut muddy salt water.
30 min. ISIP 2200%, BHFP 125-250#, 1 hr. FSIP 2000%, Hyd. 2700#.

DST #3 (5550' - 5620')

Open 2 hrs. Good blow of air decreasing slightly to end of test. Rec. 400' of muddy salt water and 90' gas cut mud.
30 min. ISIP 2000%, BHFP 80-220#, 1 hr. FSIP 2000%, Hyd. 2335#.

DST #4 (5620' - 5680')

Open 2 hrs. Fair blow of air decreasing to poor blow at end of test. Recovered 30' 9.8#/gal. drilling fluid.
30 min. ISIP 160%, BHFP 50-50#, 1 hr. FSIP 65%, Hyd. 2820#.

DST #5 (5680' - 5810')

Open 2 hrs. Weak blow of air to dead in 10 min. Recovered 20' of 10.1#/gal drilling fluid.
30 min. ISIP 60%, BHFP 45-45#, 1 hr. FSIP 60%, Hyd. 2920#.

DST #6 (6256' - 6317')

Open 2 hrs. Fair blow of air throughout test. Recovered 330' gas cut muddy salt water and 2135' of salt water.
30 min. ISIP 2233%, BHFP 170-1160#, 1 hr. FSIP 2025%, Hyd. 3190#.

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form OG 51

Form Prescribed Under Oil and Gas Conservation Act of 1951

NOTICE OF INTENTION TO DRILL NEW WELL

This notice and surety bond must be filed and permit must be granted before drilling begins

State Land Commissioner: Phoenix Ariz. July 24 19 57

In compliance with Statewide Rule 3, notice is hereby given that it is our intention to commence the work of drilling well No. Sec. 10,
Twp. 11N, Rge. 30E, G.S.R. B.&M., Wildcat Navajo H-1 Field,
Apache County.

Legal description of lease all of Sections 9, 10, 16, & 15 Township 11N,
Range 30 E, Apache, County, Arizona
(attach map or plat to scale)

Location of Well: 1980' FWL & 660' FWL Section 10, T 11N, R 30E
(Give exact footage from section corners or other

legal subdivisions or streets)

Proposed drilling depth 6200 feet. Acres in drilling unit 40 acres.

Has surety bond been filed? Yes. Is location a regular or exception to spacing rule? regular.

Elevation of ground above sea level 4875' feet.

All depth measurements taken from top of Rotary Kelly Bushing
(Derrick, floor, Rotary Table or Kelly Bushing) which is 15' feet above the ground.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade & Type	Top	Bottom	Cementing Depths
10 3/4"	32.75	H-40	Sals Surface	800'	Circulated to Surface
7"	20 & 23#	J-55	Sals Surface	6200'	6200' to 5200'

All water strata will be confined to their respective strata and will be adequately protected.

Intended Zone or Zones of completion:
Name Perforated Interval
Hermosa, Paradox, Molas, or Mississippian

AFFIDAVIT: PLEASE KEEP THIS INFORMATION CONFIDENTIAL
I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

The Superior Oil Company
(Applicant) 617 E. Third St, Cortez, Colo.
By Geo. E. Nugent

Application approved this 19th day of August 19 57

Obed M. Larson
State Land Commissioner

Permit No. 44

OK
PWL
9/4/57

STATE OF TEXAS
DEPARTMENT OF AGRICULTURE

Form No. 1 (Revised 1957)

STATE OF TEXAS
DEPARTMENT OF AGRICULTURE

This notice is hereby given that the following land is being offered for sale at public auction on the date and at the place hereinafter specified.

State land commissioner

In compliance with the provisions of the Act to amend the Act to provide for the sale of state land, the following land is being offered for sale at public auction on the date and at the place hereinafter specified.

The land is situated in the County of _____ State of Texas.

Legal description of land: _____

Location of well: _____

(Give exact location of well or other location of well: _____)

Proposed drilling depth: _____ feet. _____ in drilling unit.

Has safety bond been filed? _____ In location of regular or exception? _____

Elevation of ground above sea level: _____

All depth measurements taken from top of _____

(Well's casing) _____ feet above the ground.

Size of casing: _____ inches A.P.I. Weight Grade _____ for _____

Intended use or zone of completion: _____

Estimated interval: _____

APPLICANT: _____

I hereby certify under the penalty of perjury that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

(Applicant) _____



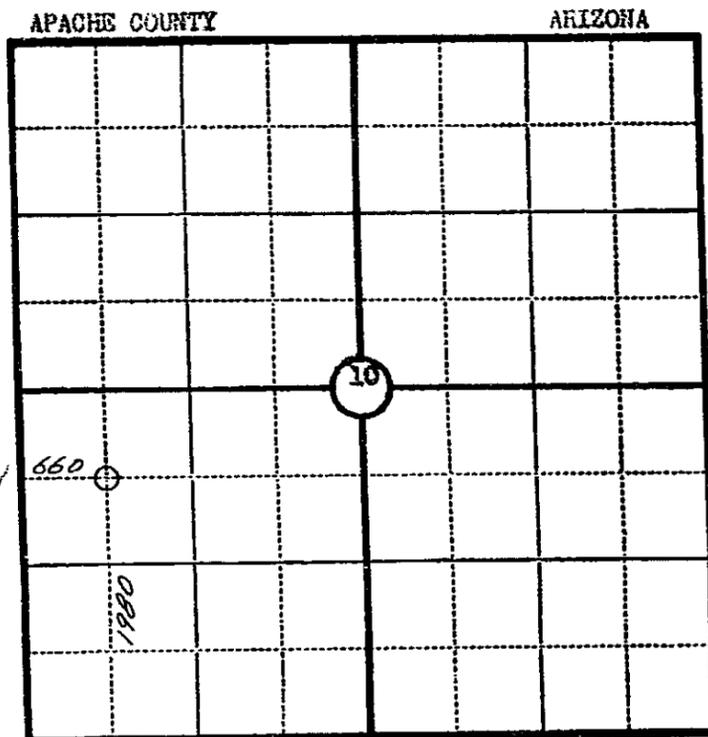
Company THE SUPERIOR OIL COMPANY

Lease NAVAJO II Well No. 1

Sec. 10, T. 41N., R. 30 E. Q&S.R.M.

Location 1980' FROM THE SOUTH LINE AND 660' FROM THE WEST LINE

Elevation 4875.0 UNGRADED



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Seal:

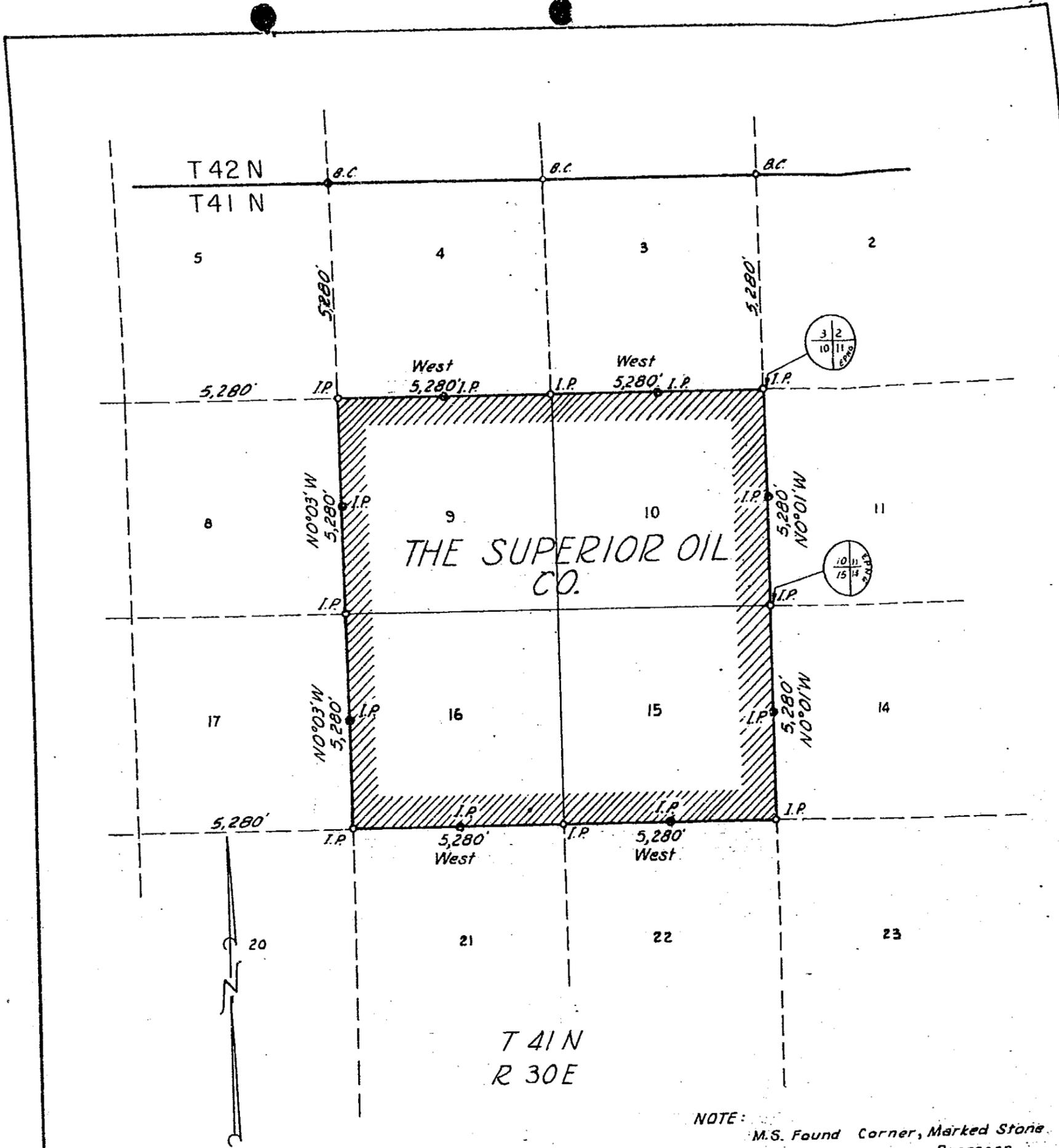
James P. Lease

Registered Land Surveyor.
James P. Lease
Ariz. Reg. No. 1849

Surveyed 7 July, 1957

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

RECEIVED
JUL 27 1957
STATE LAND
DEPT.



NOTE:
 M.S. Found Corner, Marked Stone
 B.C. " " " " Brasscap.
 I.P. Corner - Marked with Iron Pipe
 Scale: 2" = 1 Mile

This is to certify that the above Plot was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

James P. Leese
 James P. Leese
 Reg. Land Surveyor
 Arizona Reg. No. 1849



TRACT SURVEY
 FOR
 THE SUPERIOR OIL CO.
 SECTIONS 9, 10, 16, & 15 T 41 N
 R 30E
 G & S.R.M.
 NAVAJO INDIAN RESERVATION
 APACHE COUNTY ARIZONA
 JUNE 1957

H 44



9337



THE SUPERIOR OIL COMPANY

P. O. DRAWER G
CORTEZ, COLORADO 81321

October 28, 1970

WD

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

RE: Navajo #H-1
Navajo #M-23-21
Apache County, Arizona

Gentlemen:

Attached are copies of the well completion reports which were submitted to the USGS for the Navajo #H-1 and #M-23-21 wells. Apparently a copy of these reports was never sent to the Arizona Conservation Commission.

Very truly yours,

D. D. Kingman

D. D. Kingman

DDK/njh
Attach.

File

44



October 23, 1970

Superior Oil Company
P. O. Drawer 'G'
Cortez, Colorado 81321

Re: Superior Navajo #1
NW/4 SW/4 Section 10-T41N-R30E
Apache County
Our File #44

Superior Navajo 'M' 23-21
NE/4 SW/4 Section 21-T41N-R30E
Apache County
Our File #128

Gentlemen:

In reviewing our files we find that we do not have Well Completion Reports on the above referenced wells. Would you please send Well Completion Reports on these wells in order that we may complete our files.

Very truly yours,

W. E. Allen
Director, Enforcement Section

WEA:jd
Enc.

October 3, 1966

The Superior Oil Company
P.O. Box 1521
Houston, Texas 77001

Attention: Mr. T.O. Bunch, Bond Department

Re: The American Insurance Company, Bond 5-11-22-63
replacing
Fidelity and Deposit Company of Maryland, Bond 5703778

Gentlemen:

Attached is approved copy of captioned The American Insurance Company bond.

It is noted that this bond is to become effective on October 26, 1966. Therefore this letter constitutes authority from this Commission to terminate Fidelity and Deposit Company of Maryland Bond 5703778 effective on October 26, 1966.

Very truly yours,

John Bannister
Executive Secretary
BT
enc

cc. Fidelity & Deposit Co.
528 Security Bldg.
Phnx

...TY UNDER THE ...ND MAY NOT
BE TERMINATED WITHOUT WRITTEN
PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. **5703778**

That we: THE SUPERIOR OIL COMPANY, (a Nevada Corporation)

of the County of: Harris in the State of: Texas

as principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND

of 629 S. Spring St., Los Angeles, California
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

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

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

STATE OF CALIFORNIA

..... COUNTY OF LOS ANGELES } SS:

On October 26th, 1965, before me, the undersigned, a Notary Public of said county

and state, personally appeared Gordon Coy

known to me to be the Attorney-in-Fact of the corporation that executed the within instrument, known to me to be the person who executed the within instrument on behalf of the corporation therein named, and acknowledged to me that such corporation executed the same.



Los Angeles 170263

My Commission Expires May 9, 1969

K. Kuivenhoven
Notary Public

J. Spralley
Assistant Secretary

By: *G. J. Jones Jr.*
Principal

VICE-PRESIDENT

Witness our hands and seals, this 26th day of October, 1965

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

COUNTERSIGNING REPRESENTATIVE

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

Approved Date 11-12-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: *John Gannister*
Permit No. _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2

CANCELLED

Superseded by
American Insurance Co.
Bond 5-11-22-63
DATE 10-3-66
Effective 10-26-66

...TY UNDER THE ...ND MAY NOT
BE TERMINATED WITHOUT WRITTEN
PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 5703778

That we: THE SUPERIOR OIL COMPANY, (a Nevada Corporation)
of the County of: Harris in the State of: Texas
as principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND
of 629 S. Spring St., Los Angeles, California
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

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

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

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

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

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

Witness our hands and seals, this 26th day of October, 1965

THE SUPERIOR OIL COMPANY

[Signature]
Assistant Secretary

By: [Signature] Principal

VICE-PRESIDENT

Witness our hands and seals, this 26th day of October, 1965

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

COUNTERSIGNING REPRESENTATIVE

[Signature]

By: [Signature] Surety
Gordon Coy, Attorney in Fact

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

Approved
Date 11-12-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Gannister

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
BOND
File Two Copies
CANCELLED
Form No. 2

Superseded by
American Insurance Co.
Bond 5-11-22-63
DATE 10-3-66
Effective 10-26-66

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH Vice-President, and JOHN C. GARDNER Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint Gordon Coy, of Los Angeles, California.....

its true and lawful agent and Attorney -in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings.....

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 1st day of May, A.D. 19 59.

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) JOHN C. GARDNER By WM. H. C. GRIFFITH
 (SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND } ss:
 CITY OF BALTIMORE

On this 1st day of May, A.D. 19 59, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) BEVERLY M. FERTIG
 (SEAL) Notary Public Commission Expires May 3, 1965

CERTIFICATE

I, R. D. GILLISS, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated May 1st, 19 59, in behalf of Gordon Coy of Los Angeles, California, is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and JOHN C. GARDNER, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 26th day of October, 19 65

[Signature]
 Assistant Secretary

November 22, 1965

The Superior Oil Company
P.O. Box 1521
Houston, Texas 77001

Re: Fidelity & Deposit Co. of Maryland Bond 5703778

Gentlemen:

This will acknowledge receipt on November 12, 1965 of captioned statewide bond. An approved copy of this bond is returned herewith.

Since this bond is now in full force and effect, this letter will constitute authority from this Commission to terminate Fidelity & Deposit Company of Maryland Bond 74 76 688 in the amount of \$10,000.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
nr
enc

cc: Fidelity and Deposit Co. of Maryland
528 Security Building
Phoenix, Arizona 85004

Fidelity & Deposit Company of Maryland
629 S. Spring Street
Los Angeles, Calif 90014

October 15, 1965

The Superior Oil Company
P.O. Box 1521
Houston, Texas 77001

Re: Fidelity & Deposit Co. of Maryland Bond 74 76 688

Gentlemen:

As you are aware, the captioned bond in the amount of \$10,000 is on file with this Commission to cover bonding requirements of this Commission.

As a result of the public hearing held September 22, 1965 in Phoenix, Arizona, concerning the Rules and Regulations of this Commission, the bonding requirements have been increased to \$5,000 for a single well and to \$25,000 for a state-wide blanket bond.

As required by law, certified copy of the new Rules and Regulations was filed with the Secretary of State on October 1, 1965, and consequently on that date the new Rules became effective.

This letter is to request that at your earliest convenience you take the necessary steps to increase your state-wide bond to \$25,000. Upon receipt of your new bond your old bond of course may be released.

Your earliest cooperation will be appreciated.

Yours very truly,

John Bannister
Executive Secretary
mr

STATE OF ARIZONA
STATE LAND DEPARTMENT

BOND FOR DRILLING OIL OR GAS WELL

CANCELLED 7-6-60 17265025

The premises covered for this bond is 25-81

State of Arizona }
County of Maricopa }

KNOW ALL MEN BY THESE PRESENTS:

That we, THE SUPERIOR OIL COMPANY, A CALIFORNIA CORPORATION, hereinafter called Principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, hereinafter called the Surety, are held and firmly bound unto the State of Arizona in the sum of Twenty-Five Hundred Dollars (\$2,500) for the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas the Principal has obtained a permit from the State Land Commissioner to drill a well in search of oil or gas, and whereas said Principal is required by provisions of the Oil and Gas Conservation Act of 1951 to deposit with the said Commissioner a good and sufficient bond:

Now, therefore, the condition of the foregoing obligation is such that if the Principal shall drill, case and plug said well drilled by said Principal in such manner as to prevent the escape of oil or gas from one stratum to another and to prevent the intrusion of water into an oil or gas stratum from a separate stratum, and to prevent the pollution of fresh water supplies by oil, gas or salt water and in such manner as to prevent waste, and shall make such reports to the Commissioner as are required by the Oil and Gas Conservation Act of 1951 by said Principal, and shall file the log and drilling record kept by said Principal within six (6) months from the

STATE OF CALIFORNIA,

County of LOS ANGELES

ss.

ON THIS 12th day of August, A.D., 19 57, before me,

Joan F. Clendening

a Notary Public in and for said County and State, personally appeared

John T. Isberg, known to me to be the

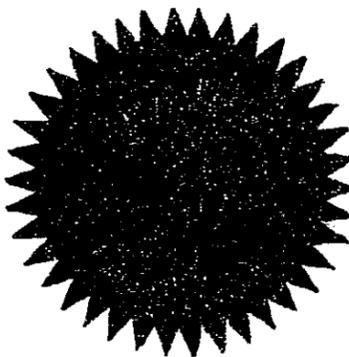
Vice President, and E. M. Darusmont, known to me

to be the Assistant Secretary

of The Superior Oil Company

the Corporation that executed the within Instrument, known to me to be the persons who executed the within Instrument, on behalf of the Corporation herein named, and acknowledged to me that such Corporation executed the within Instrument pursuant to its by-laws or a resolution of its board of directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.



Joan F. Clendening
Notary Public in and for said County and State.

ACKNOWLEDGMENT - CORP. - PRES. & SEC. - WOLCOTT'S FORM 228 - REV. 12-51 My Commission Expires Aug. 31, 1957 53703

On this 12th day of August, 19 57, before

me, M. F. Harvey, a Notary Public, in and for the said County of Los Angeles, State of California, residing therein, duly commissioned and

sworn, personally appeared Gordon Coy, known to me to be the Attorney-in-Fact of the Fidelity and Deposit Company of Maryland, the Corporation that executed the within instrument, and acknowledged to me that he subscribed the name of the Fidelity and Deposit Company of Maryland thereto and his own name as Attorney-in-Fact.

M. F. Harvey
Notary Public in and for the County of Los Angeles, State of California

My Commission Expires July 19, 1958

Los Angeles 146091

Obed M. Larren
State Land Commissioner

STATE OF ARIZONA
STATE LAND DEPARTMENT

BOND FOR DRILLING OIL OR GAS WELL

CANCELLED 7-6-60 17265025

The premium for this bond is \$25.00 per annum.

State of Arizona }
County of Maricopa }

KNOW ALL MEN BY THESE PRESENTS:

That we, THE SUPERIOR OIL COMPANY, A CALIFORNIA CORPORATION,
hereinafter called Principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND,
hereinafter called the Surety, are held and firmly bound unto the State of
Arizona in the sum of Twenty-Five Hundred Dollars (\$2,500) for the payment of
which the Principal and Surety bind themselves, their heirs, executors, ad-
ministrators, successors and assigns, jointly and severally, firmly by these
presents.

Whereas the Principal has obtained a permit from the State Land
Commissioner to drill a well in search of oil or gas, and whereas said Princi-
pal is required by provisions of the Oil and Gas Conservation Act of 1951 to
deposit with the said Commissioner a good and sufficient bond:

Now, therefore, the condition of the foregoing obligation is such
that if the Principal shall drill, case and plug said well drilled by said
Principal in such manner as to prevent the escape of oil or gas from one
stratum to another and to prevent the intrusion of water into an oil or gas
stratum from a separate stratum, and to prevent the pollution of fresh water
supplies by oil, gas or salt water and in such manner as to prevent waste,
and shall make such reports to the Commissioner as are required by the Oil
and Gas Conservation Act of 1951 by said Principal, and shall file the log
and drilling record kept by said Principal within six (6) months from the
time of the completion or abandonment of said well drilled for oil or gas
and shall plug the same in the manner provided by the rules and regulations
adopted by said Commissioner, then this obligation to be null and void,
otherwise to be and remain in full force and effect.

Witness our hands and seals this 12th day of August, 1957.

ATTEST: [Signature] BY John E. [Signature]
Principal

STATE OF CALIFORNIA }
COUNTY OF LOS ANGELES } ss:

On this 12th day of August, 1957, before
me, M. F. Harvey, a Notary Public, in and for the said
County of Los Angeles, State of California, residing therein, duly commissioned and

sworn, personally appeared Gordon Coy
known to me to be the Attorney-in-Fact of the Fidelity and Deposit Company of Mary-
land, the Corporation that executed the within instrument, and acknowledged to me
that he subscribed the name of the Fidelity and Deposit Company of Maryland thereto
and his own name as Attorney-in-Fact.

M. F. Harvey
Notary Public in and for the County of Los Angeles, State of California
My Commission Expires July 19, 1958

Los Angeles 146091

Obed M. Larren
State Land Commissioner

STATE OF ARIZONA

STATE LAND DEPARTMENT

BOND FOR DRILLING OIL OR GAS WELL

CANCELLED 7-6-60 17265025

The proceeds from this bond are to be used for the purpose of...

State of Arizona }
County of Maricopa }

KNOW ALL MEN BY THESE PRESENTS:

That we, THE SUPERIOR OIL COMPANY, A CALIFORNIA CORPORATION,
hereinafter called Principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND,
hereinafter called the Surety, are held and firmly bound unto the State of
Arizona in the sum of Twenty-Five Hundred Dollars (\$2,500) for the payment of
which the Principal and Surety bind themselves, their heirs, executors, ad-
ministrators, successors and assigns, jointly and severally, firmly by these
presents.

Whereas the Principal has obtained a permit from the State Land
Commissioner to drill a well in search of oil or gas, and whereas said Princi-
pal is required by provisions of the Oil and Gas Conservation Act of 1951 to
deposit with the said Commissioner a good and sufficient bond:

Now, therefore, the condition of the foregoing obligation is such
that if the Principal shall drill, case and plug said well drilled by said
Principal in such manner as to prevent the escape of oil or gas from one
stratum to another and to prevent the intrusion of water into an oil or gas
stratum from a separate stratum, and to prevent the pollution of fresh water
supplies by oil, gas or salt water and in such manner as to prevent waste,
and shall make such reports to the Commissioner as are required by the Oil
and Gas Conservation Act of 1951 by said Principal, and shall file the log
and drilling record kept by said Principal within six (6) months from the
time of the completion or abandonment of said well drilled for oil or gas
and shall plug the same in the manner provided by the rules and regulations
adopted by said Commissioner, then this obligation to be null and void,
otherwise to be and remain in full force and effect.

Witness our hands and seals this 12th day of August, 1957.

ATTEST:

E. M. Darusmont
E. M. Darusmont, Ass't. Secretary

THE SUPERIOR OIL COMPANY

BY John T. Isberg
Principal
John T. Isberg, Vice President

COUNTERSIGNED BY
Chas. Hummer
Arizona Resident Agent

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

BY Gordon Coy
Surety
Gordon Coy, Attorney in Fact

Approved this 19th day of August, 1957.

Obed M. Larren
State Land Commissioner

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH, Vice-President, and M. A. KELLY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint D. E. GORTON, L. D. JENSON, WILLIAM C. FUNDENBERG, ROBERT HECHT, GORDON COY, S. M. SMITH, THERESA FITZGIBBONS, H. L. MARDEN, H. COE CULBERTSON, BRUCE H. MCBIRNEY, JAMES A. EVERS AND CARL HANNEMAN, ALL OF LOS ANGELES, CALIFORNIA, EACH..... its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: ANY AND ALL BONDS AND UNDERTAKINGS.....

.....
 And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons. THIS POWER OF ATTORNEY REVOKES THAT ISSUED ON BEHALF OF D. E. GORTON, ET AL, DATED JANUARY 11, 1950.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 13TH day of JANUARY, A.D. 1954.

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) M. A. KELLY By WM. H. C. GRIFFITH
 (SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND } ss:
 CITY OF BALTIMORE }

On this 13TH day of JANUARY, A.D. 1954, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) DOLORES DEMMA
 (SEAL) Notary Public Commission Expires MAY 2, 1955.

CERTIFICATE
 I, JOHN C. GARDNER, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated JANUARY 13TH, 1954, in behalf of D. E. GORTON, ET AL of LOS ANGELES, CALIFORNIA is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and M. A. KELLY, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 12th day of August, 1957

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH, Vice-President, and M. A. KELLY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint D. E. GORTON, L. D. JENSON, WILLIAM C. FUNDENBERG, ROBERT HECHT, GORDON COY, S. M. SMITH, THERESA FITZGIBBONS, H. L. MARDEN, H. COE CULBERTSON, BRUCE H. MCBIRNEY, JAMES A. EVERS AND CARL HANNEMAN, ALL OF LOS ANGELES, CALIFORNIA, EACH..... its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: ANY AND ALL BONDS AND UNDERTAKINGS.....

.....
 And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons. THIS POWER OF ATTORNEY REVOKES THAT ISSUED ON BEHALF OF D. E. GORTON, ET AL, DATED JANUARY 11, 1950.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 13TH day of JANUARY, A.D. 1954.

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) M. A. KELLY By WM. H. C. GRIFFITH
 (SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND } ss:
 CITY OF BALTIMORE }

On this 13TH day of JANUARY, A.D. 1954, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) DOLORES DEMMA
 (SEAL) Notary Public Commission Expires MAY 2, 1955

CERTIFICATE
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IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 12th day of August, 1954

July 6, 1960

Mr. E. F. Patman
Superior Oil Company
Perry-Brooks Building
Austin, Texas

Dear Mr. Patman:

This will acknowledge receipt of a blanket bond in the amount of \$10,000.00 executed by the Superior Oil Company as Principal; and Fidelity and Deposit Company of Maryland as Surety, binding themselves to the State of Arizona for faithful performance of all obligations imposed upon the Superior Oil Company in drilling oil and gas wells in Arizona.

You are herewith advised that Superior Oil Company bond #7266468, issued by the Fidelity and Deposit Company of Maryland as Surety and binding themselves to the State of Arizona for faithful performance of all the obligations imposed upon the Superior Oil Company in drilling oil and gas wells in Arizona; to wit: Superior Oil Company, Navajo Tribal "H" well #14-16, located in Section 16, T. 41N, R. 30E, Apache County, Arizona; in the amount of \$2500, is hereby released and superceded by your blanket bond hereinabove referred to in Paragraph No. 1 of this letter.

Superior Oil Company bond #7265025, issued by the Fidelity and Deposit Company of Maryland as Surety, and binding themselves to the State of Arizona for faithful performance of all the obligations imposed upon the Superior Oil Company in drilling oil and gas wells in Arizona; to wit: Superior Oil Company Navajo Tribal "H-1", located in Section 10, T. 41N, R. 30E, Apache County, Arizona; in the amount of \$2500, is hereby released and superceded by your blanket bond hereinabove referred to in Paragraph 1 of this letter.

We are sending an extra copy of this letter so that you may forward it to your Surety, the Fidelity and Deposit Company of Maryland, to the end that they will release the two \$2500 bonds mentioned herein.

In closing, we hope that you will be able to file your applica-

Mr. E. F. Patman

July 6, 1960

2.

tions to drill your two wells in the very near future.

Yours very truly,

D. A. Jerome
Executive Secretary

DAJ/ew
Enclosure

May 26, 1960

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado

Attention: Production Department

Gentlemen:

Please be advised of our new and correct
title and address, as contained on the
enclosed card.

Very truly yours,

W. F. Maule
Petroleum Engineer

WFM/ew
Enclosure

C
O
P
Y

THE SUPERIOR OIL CO.

P. O. Drawer G
Cortez, Colorado

August 12, 1959

United States
Department of the Interior
Geological Survey
P. O. Box 965
Farmington, New Mexico

Dear Sirs:

Please be advised that after August 3, 1959, we no longer desire to hold confidential the information on our Navajo H wells, H-1 located in Section 10-41N-30E; H-2 located in Section 16-41N-30E, Apache County, Arizona.

Enclosed find two copies each of the following logs; Microlaterolog, Laterolog, Induction-Electrical Log, Gamma Ray-Neutron, run on our Navajo H wells.

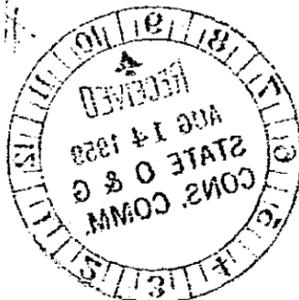
The Superior Oil Company wishes to thank you for your cooperation in holding the information confidential.

Yours truly,

George E. Nugent
George E. Nugent

GEN/ba

cc: Arizona Oil & Gas Commission
State Land Department
Phoenix, Arizona



THE SUPERIOR OIL CO.

P. O. Drawer 6
Cortez, Colorado

August 13, 1959

Department of the Interior
Geological Survey
P. O. Box 900
Washington, New Mexico

Dear Sir:

Please be advised that after August 3, 1959, we no longer desire to hold confidential the information on our Navajo H wells, H-1 located in Section 10-41W-30N; H-2 located in Section 10-41W-30N, Apache County, Arizona.

Enclosed find two copies each of the following logs: Geological, Logging, Production-Electrical logs. Santa Fe-Navajo, and on our Navajo H wells.

The Superior Oil Company wishes to thank you for your cooperation in holding the information confidential.

Yours truly,

George E. Whelan
George E. Whelan

Sincerely,

cc: Arizona Oil & Gas Commission
State Land Department
Phoenix, Arizona



THE SUPERIOR OIL COMPANY

P. O. BOX 3015, TERMINAL ANNEX
LOS ANGELES 54, CALIFORNIA

January 30, 1959

JOHN T. ISBERG
VICE PRESIDENT

State Land Commissioner
State Land Department
State of Arizona
Phoenix, Arizona

Attention: Mr. Frederick C. Ryan

Gentlemen:

Reference is made to your letter of January 16, 1959 relative to The Superior Oil Company's Navajo Tribal 'H' #1 and 'H' #2 wells located in Sections 10 and 16, Township 41 North, Range 30 East, Apache County, Arizona.

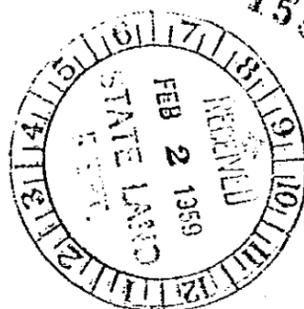
We have no objection to the release of the records on our 'H' #1 well on February 16, 1959 to public inspection.

As you know our 'H' #2 well is, at the present time, being re-worked and is on an active status and is not within the scope of the term "completed". We hope to have such accomplished in the very near future. At that time the proper records will be forwarded to your office.

Yours very truly,

John T. Isberg
John T. Isberg

JTI:ctg



January 16, 1959

Superior Oil Company
P. O. Box 3015, Terminal Annex
Los Angeles 54, California

Attention: John T. Isberg,
Vice-President

Dear Mr. Isberg:

Reference is made to the records of the Superior Oil Company's Navajo Tribal H #1, and H #2 located in Sections 10 and 16 respectively, Township 41 North, Range 30 East, Apache County, Arizona, and your letter of May 21, 1958 concerning information regarding these wells.

At your request, the records of the H #1 have been held confidential by this office beyond the six months which the Arizona Statutes seem to authorize, (A.R.S. 27-522), and an extension of time was given in which to file records on the H #2. In complying with your request, we followed customary procedure established and observed for a number of years as a gesture of cooperation and courtesy extended to operators of integrity in the industry, who, for various reasons, asked for extension of confidential status of their well records.

On January 12th this office was served with a formal demand by the Salt Lake City office of Standard of California, in which was cited the fact that the H #1 was abandoned on "February 8, 1958" and that the H #2 was completed in "January of 1958", that the legally provided period for holding confidential information pertinent thereto had passed, and that the company was formally requesting access to such information. The letter mentioned records of one other well drilled by a company other than your own, citing the same authority, and basing the same demand on the fact that more than six months had elapsed since completion of the work on the well.

Superior Oil Company
January 16, 1959
Page 2

In view of the above as it applies to the H #1, this is a request for agreement of release from confidential status of the records of that well by your company.

In regard to your H #2, the developments of the last few days in which information copies of U.S.G.S. Notice of Intention to Acidize have been filed with this office, clearly place it on an active status and not within the scope of the term "completed".

In the absence of such permission by return mail, this office will consider the records of the H #1 open to public inspection after an appeal period of thirty days has elapsed, specifically February 16, 1959.

Thank you for your cooperation in this matter.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor
Oil and Gas Conservation

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

Superior Oil Co

Penalty for Private Use to Avoid Payment of Postage, \$300

POSTMARK OF DELIVERING OFFICE

INSTRUCTIONS: Fill in items below and complete #1 on other side, when applicable. Moisten gummed ends and attach to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO. 570413

CERTIFIED NO. 44

INSURED NO. 44

NAME OF SENDER: Fred Ryan

STREET AND NO. OR P. O. BOX: 422 ARIZONA STATE OFFICE BLDG.

CITY, ZONE AND STATE: PHOENIX, ARIZONA

STATE LAND DEPARTMENT

CS-16-7184-4

Superior Oil Company
January 16, 1959
Page 2

In view of the above as it applies to the H #1, this is a request for agreement of release from confidential status of the records of that well by your company.

In regard to your H #2, the developments of the last few days in which information copies of U.S.G.S. Notice of Intention to Acidize have been filed with this office, clearly place it on an active status and not within the scope of the term "completed".

In the absence of such permission by return mail, this office will consider the records of the H #1 open to public inspection after an appeal period of thirty days has elapsed, specifically February 16, 1959.

Thank you for your cooperation in this matter.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor
Oil and Gas Conservation

FCE:mb
CERTIFIED MAIL

Superior Oil Company
January 16, 1959
Page 2

In view of the above as it applies to the H #1, this is a request for agreement of release from confidential status of the records of that well by your company.

In regard to your H #2, the developments of the last few days in which information copies of U.S.G.S. Notice of Intention to Acidize have been filed with this office, clearly place it on an active status and not within the scope of the term "completed".

In the absence of such permission by return mail, this office will consider the records of the H #1 open to public inspection after an appeal period of thirty days has elapsed, specifically February 16, 1959.

Thank you for your cooperation in this matter.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor
Oil and Gas Conservation

FCR:mb
CERTIFIED MAIL

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE	
<input type="checkbox"/> Deliver ONLY to addressee	<input type="checkbox"/> Show address where delivered
<i>(Additional charges required for these services)</i>	
RETURN RECEIPT	
Received the numbered article described on other side.	
SIGNATURE OR NAME OF ADDRESSEE (must always be filled in)	
<i>Superior Oil</i>	
SIGNATURE OF ADDRESSEE'S AGENT, IF ANY	
<i>Frederick C. Ryan</i>	
DATE DELIVERED	ADDRESS WHERE DELIVERED (only if requested in item #1)
JAN 19 1959	
CBS-16-71548-4 GPO	

May 29, 1958

Mr. George E. Nugent
The Superior Oil Company
P. O. Box 276
Cortez, Colorado

Dear Mr. Nugent:

We wish to acknowledge receipt of shipment via Railway Express, five sacks containing samples and core chips from your Navajo "H" #1 well, located in Section 10, Township 41 North, Range 30 East, Apache County, Arizona.

May we take this opportunity to thank you again for your prompt attention and cooperation in the matter.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor,
Oil & Gas Conservation

FCR:mb

May 26, 1958

Mr. George E. Nugent
The Superior Oil Company
P. O. Box 276
Cortez, Colorado

Dear Mr. Nugent:

We wish to acknowledge receipt of the logs pertinent to the Navajo "H" #1 well, drilled by your company in Section 10, Township 41 North, Range 30 East, Apache County, Arizona, as follows:

- 1 Microlaterolog
- 1 Laterolog
- 1 Induction - Electrical Log
- 1 Gamma Ray-Neutron

We wish to thank you for your prompt attention in supplying this Department with the above information and that we intend to keep this data "confidential" until such time as The Superior Oil Company may agree to its release.

We shall be expecting the samples and core chips on the above well, via Railway Express, as stated in your letter.

Very truly yours,

STATE LAND COMMISSIONER

By:
Frederick C. Ryan,
Supervisor,
Oil and Gas Conservation

May 26, 1958

The Superior Oil Company
P. O. Box 3015, Terminal Annex
Los Angeles 54, California

Attention: John T. Isberg,
Vice-President

Dear Mr. Isberg:

Thank you for your letter of May 21, 1958 regarding the records and status of your Navajo Tribal wells in Apache County, Arizona.

We are pleased with your action in supplying us with the logs, samples and core chips of Navajo Tribal "H" #1. This material and information will be kept under lock and key and confidential by this office until such time as The Superior Oil Company may agree to its release.

The information regarding Navajo Tribal "H" #2 has been noted. We understand your position regarding release of information relative to this well in light of upcoming Indian land lease sales. With this in mind, an extension of time of six months is granted to you in which to submit the required records of Navajo Tribal "H" #2. We would appreciate being kept informed of any change of status in the interim.

Very truly yours,

STATE LAND COMMISSIONER

By:
Frederick C. Ryan,
Supervisor,
Oil & Gas Conservation

FCR:mb

May 23, 1958

Dear Fritz,

Re: Superior Oil

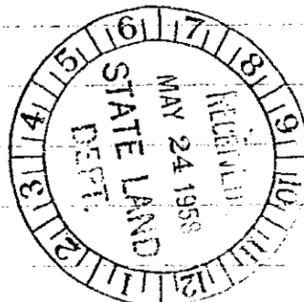
I feel we should definitely go along with this request for an extension relative to their Navajo "H" #2 well. The information on their "H" #1 well can certainly be kept under lock & key.

I am some surprised at his report on "H" #2 for most of the scouts as well as U.S.G.S seem to feel they had a producer. I would suggest this may be a very conservative report.

Regards

Phil

8247





THE SUPERIOR OIL CO.

P. O. Box 276
Cortez, Colorado

May 23, 1958

Mr. Phillip W. Johnson
State Land Department
State of Arizona
Phoenix, Arizona

Dear Sir:

Inclosed please find one copy of each of the 4 logs that were run on our Navajo H-1 well located in Section 10, Township 41 North, Range 30 East, Apache County, Arizona.

Our Albuquerque office is forwarding to you this date via Railway Express the samples and core chips from the above well.

Please keep all information pertaining to the Navajo H-1 well "Confidential" until it is released by The Superior Oil Company.

If we can be of any futher service, or if there is additional information that you need on the above well please let us know.

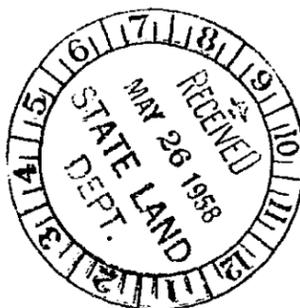
Very truly yours,

George E. Nugent

George E. Nugent

GEN/ifb

cc: W. H. Fraser
D. E. Koch
J. T. Isberg



THE SUPERIOR OIL COMPANY

P. O. BOX 3015, TERMINAL ANNEX
LOS ANGELES 54, CALIFORNIA

May 21, 1958

JOHN T. ISBERG
VICE PRESIDENT

State Land Department
State of Arizona
Phoenix, Arizona

Attention: Mr. Frederick G. Ryan
Supervisor, Oil and Gas Conservation

Re: Apache County, Arizona

Gentlemen:

It is certainly the intention of The Superior Oil Company to comply with all the rules and regulations of Federal and State Agencies as regards the drilling and completing of oil and gas wells. Apparently, we have been lax on the first well we have drilled in the State of Arizona as far as such compliances are concerned; for this we extend our apologies and ask your indulgence.

You have been aware that Navajo Tribal 'H' #1 in Section 10, T. 41N., R. 30 E., and Navajo Tribal 'H' #2 in Section 16, T. 41N., R. 30E., were classified as tight holes.

We have partially complied with the State regulations in the filing of Oil and Gas forms 51, 55 and 56 for Navajo Tribal 'H' #1. We have this day asked our Cortez, Colorado and Albuquerque, New Mexico offices to supply you with logs, samples, core chips and other information due the Commission. Such information is submitted with the understanding that it will be kept in the strictest confidence by your Commission as stated in Phillip W. Johnson's letter of May 7, 1958. We also request that the same not be released until The Superior Oil Company so desires.

Although the time has not elapsed in which information regarding our Navajo Tribal 'H' #2 should be filed with the Commission we wish to advise you of



THE SUPERIOR OIL COMPANY

State Land Department
Page Two

May 21, 1958

the following:

The Navajo Tribal 'H' #2, at this time, is not capable of producing. It is true that we have run and cemented casing in this well and a Christmas tree has been attached, however there are no perforations in the casing, nor has the bottom plug been drilled. In other words, this well is in a suspended state.

We do feel that the release of additional data at this time, even as confidential, would jeopardize our interests.

You have probably been following the activity of the Arizona portion of the Four Corners Region and know that there is additional open Indian land available. Under such circumstances, we do not deem it in our best interest to release this information to the world. We, therefore, request an extension of time in which we would be required to submit the data to the Commission. We believe an additional six months period is in order. If this is agreeable with the Commission would you please advise.

Unless we hear definitely from you regarding Oil and Gas forms 52, 53 and 65, relative to the Navajo Tribal 'H' #2 well we will assume because of its suspended state such forms are not due at this time.

Yours very truly,

THE SUPERIOR OIL COMPANY

John T. Isberg
John T. Isberg

JTI:cgt

cc-Phillip W. Johnson
W. H. Fraser
George Nugent

May 7, 1958

Mr. George Nugent
Superior Oil Company
P. O. Box 276
Cortez, Colorado

Dear Mr. Nugent:

I am writing concerning the two wells Superior Oil have just recently drilled in Apache County, Arizona, namely the Navajo Tribal H-1 in Section 10, Township 41 North, Range 30 East, and the Navajo Tribal H-2 in Section 16, Township 41 North, Range 30 East. I am well aware that both of these wells have been classified as "tight" holes; however, we are desirous of bringing our files up to date.

For the Navajo Tribal H-1, we have received O&G forms 55 and 56, which have been approved. These were approved only on the strength of the approval given by Mr. Phil McGrath, U.S.G.S., Oil and Gas Leasing Branch. We have not received any logs, samples, core chips or other information, nor have we heard from you any word as to why this information has not been forthcoming. We feel the State has a definite right to this information, and should be kept advised as to current status. According to the rules and regulations, this information should be filed not later than six months after the well has been either completed or abandoned. This period has now elapsed. We therefore, request you submit to us the information requested pertaining to this well. All information will be kept in strictest confidence if you request it, and will not be released until you desire.

Our files on Navajo Tribal H-2 show that we have received nothing beyond the initial filing of O&G form 51, Notice of Intention to Drill. We are aware that this well reportedly is capable of commercial production and on my visit to the well site in January, I found the location cleared and well shut in with Christmas tree. The six months period on this well is approaching, and we request you keep in mind the need of furnishing the necessary forms and

Mr. George Nugent
May 7, 1958
Page 2

information pertinent to this drilling operation. If you feel that the release of this data to us even classified "confidential" would jeopardize your interests at this time, we would suggest you write us setting forth the situation and requesting an extension of time in which to submit the data to us.

If this well is capable of production, it will be necessary to submit O&G forms 52, 53 and 65, copies of which are inclosed. We would also like you to include analyses of the gas or oil, or both, as well as a copy of the curve resulting from the back pressure test.

Thank you for your cooperation in the above matters.

Very truly yours,

Phillip W. Johnson,
Geologist

PWJ:mb
Encs.



OFFICE OF
State Land Department
STATE OF ARIZONA
Phoenix, Arizona

OBED M. LASSEN
STATE LAND COMMISSIONER

November 12, 1957

Mr. Phillip W. Johnson
P. O. Box 2270
Tucson, Arizona

Dear Phil:

Inclosed please find O&G forms 55 and 56 for Superior Oil Company Navajo H-1 well. Form 56 was received in today's mail. Would you kindly look them over and return to me for processing. Since they have filed individual \$2500 bonds, would you suggest that we do not release the first bond, unless they request it.

Heretofore, it has been our practice to release the bond, if and when all requirements have been met. But, since this well and the H-2 are going to be "confidential", I am of the opinion that the bonds should be kept in force. No doubt, you have not heard anything from them pertaining to logs and samples.

Regards.

Muriel R. Bates
Muriel R. Bates

*Hold this until we get
all the info
Phil*

RECEIVED

NOV 13 1957

WATER RESOURCES DIVISION
U. S. GEOLOGICAL SURVEY
GROUND WATER BRANCH

mb

THE SUPERIOR OIL COMPANY

DRILLING & PRODUCTION DEPT.

P. O. BOX 200

CASPER, WYOMING

November 5, 1957

Oil and Gas Conservation Commission
State Land Department
State of Arizona
Phoenix, Arizona

Attention: Mr. Frederick C. Ryan

Thank you for your letter of November 1, 1957. We regret the delay in sending you the completion information on our Navajo H-1 well located in Apache County, Arizona.

We had previously read the General Rules and Regulations, specifically Rule #22. Our interpretation was that we had a period of six months from the completion of the well in which to furnish you with electrical logs and cuttings from the well. Navajo H-1 was drilled as a confidential well. The 'H' lease is offset by open Indian acreage to the west.

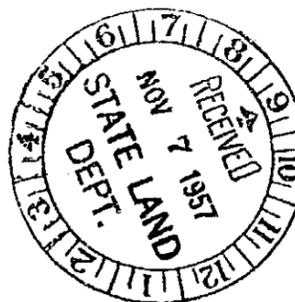
Form OG #52 will be prepared as soon as possible and sent to you. Please correct our understanding of the above rule if we are in error.

THE SUPERIOR OIL COMPANY

By W. H. Fraser
W. H. Fraser
District Engineer

14539

WHF/cw
cc: G. E. Nugent



October 11, 1957

Mr. George Nugent
Superior Oil Company
P. O. Box 276
Cortez, Colorado

Dear Mr. Nugent:

In compliance with your telephone request, we are inclosing the following O&G forms:

O&G 51 Notice of Intention to Drill New Well
O&G 52 Well Completion Report
O&G 55 Application to Abandon, Plug, Deepen, Sidetrack
or Perforate
O&G 56 Abandonment and Plugging Record

All forms must be filed in duplicate, except O&G 51, which must be filed in triplicate.

At this time, we would like to remind you, that if you are contemplating any additional exploration, the bond in the amount of \$2,500 covering your drilling operation in Section 10, Township 41 North, Range 30 East, Apache County would not be adequate, insofar as other wells are concerned. A bond in the amount of \$10,000 should be filed with this office, which would of course, be considered a blanket bond, and would cover all wells drilled by your Company.

If you have any further questions, please do not hesitate to call on us.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick G. Ryan,
Supervisor,
Oil and Gas Conservation

nb
Encls.

9/2/50

Dear Muriel.

Glad to hear your
back and had a good
time. Was the fleet
in? Could I trouble
you to make up a card
on this well for me.

Name: Superior Oil Co -
Navajo Tribal H-1

I hope they aren't going to
try and keep this a "tight hole"
Will you also send them the
letter about samples! Thank
(44) Phil

Well designation:

Superior Oil Co - Navajo tribal H-1

This well will have the
above name designation
with the Arizona State Fund
Department.

Paul Johnson

August 22, 1957

Mr. W. H. Fraser
The Superior Oil Company
P. O. Box 200
Casper, Wyoming

Dear Mr. Fraser:

Re: Superior Oil Co.-Navajo Tribal H-1

I am writing to you in order to acquaint you with the collection of sample cuttings from all oil test wells drilled in Arizona and to request your cooperation in helping us to carry out this program.

Under the law it is mandatory that samples of cuttings of all oil test wells, as well as logs and other pertinent information be filed with the State Land Commissioner within six months after completion or abandonment. The over-all policy of the collection and preservation of samples has been a joint venture between the State Land Department, the U. S. Geological Survey, Groundwater Branch, Arizona Bureau of Mines and the Museum of Northern Arizona. Under this program samples of all types of wells are collected and cut two or three ways depending upon the type and location of the well. All oil test wells in the northern part of the State (plateau regional) are cut three ways, and all oil test wells in the southern part are cut two ways.

Inasmuch as your test well is in the northern part of the State, we will require enough samples in order that it can be cut three ways. One sample for the loan library at the State Land Department, one sample for the permanent library at the Arizona Bureau of Mines, Tucson, Arizona, and one sample for the Research Center, Museum of Northern Arizona at Flagstaff, Arizona.

I presume that you will be collecting samples at 10' intervals, or less, and that possibly you will also do some coring. We would appreciate getting core chips samples and copies of whatever logs you run. If we can be of any further service, please feel free to call on us.

Very truly yours,

STATE LAND DEPARTMENT

Phillip W. Johnson,
Geologist

August 19, 1957

Mr. W. H. Fraser
The Superior Oil Company
P. O. Box 200
Casper, Wyoming

Dear Mr. Fraser:

We wish to acknowledge receipt of the bond in the amount of \$2,500 for The Superior Oil Company as principal, and the Fidelity and Deposit Company of Maryland as Surety, which covers the drilling of a well for oil and gas in Section 10, Township 41 North, Range 30 East, Apache County, Arizona.

Inclosed please find your copy of the Intention to Drill which has been approved by the State Land Commissioner this date. We are also inclosing your receipt in the amount of \$25.00 covering this drilling operation.

Mr. Phillip W. Johnson will be writing to you in regard to the submission of samples and copies of driller's logs, electrical or otherwise, in the near future.

Under separate cover we are inclosing six copies of the Rules and Regulations pertaining to conservation of oil and gas in Arizona.

Very truly yours,

STATE LAND DEPARTMENT

Louis G. Duncan,
Manager

mb
Encl.

CC - Geo. E. Nugent

THE SUPERIOR OIL COMPANY

DRILLING & PRODUCTION DEPT.

P. O. BOX 200

CASPER, WYOMING

August 15, 1957

State Land Department
State of Arizona
Phoenix, Arizona

Attention: Louis C. Duncan

Attached you will find a bond in the amount of \$2500.00 for drilling an oil or gas well. This bond is to apply to our location in the NW/4 SW/4 of Sec. 10, T41N R30E G&SRM. Notice of Intention to Drill this well was mailed to you on July 24, 1957.

Please send this office six copies of the Rules and Regulations for oil and gas production in The State of Arizona.

Very truly yours,

THE SUPERIOR OIL COMPANY

By

W. H. Fraser
W. H. Fraser

WHF/cw
w/attachment
cc: G. E. Nugent

