Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078487-B
LEASE OR PERMIT TO PROSPECT

RECEIVED JUN 18 1953 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company ANDERSON-PRICHARD OIL CORPORATION Address LIBERTY BANK BLDG., OKLAHOMA CITY, OKLA.

Lessor or Tract PRICHARD Field BLANCO State NEW MEXICO

Well No. 1 Sec. 6 T. 29N R. 8W Meridian N.M.P.M. County SAN JUAN

Location 1650 ft. N. of N. line and 1650 ft. W. of E. line of SECTION 6. Elevation 6260' (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 Earl Bashara

Date May 30, 1953 Title District Foreman

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

Commenced drilling September 21, 19 53 Finished drilling April 26, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1595 to 5220 (G) 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 From	Perforated To	Purpose
10-3/4"	32.75#	8 Rd	H-40 SS	163'	TP Milling				Surface
7"	20# 23#	8 Rd	J-55	4558'	TP Milling				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	173'	175 sacks regular	Halliburton		
7"	4534'	160 sacks regular, 300 sacks Howcolite	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
3½" & 4½"	SNG	Indl Eastern SNG	1660 qts.	4-27-53	4610-5260	5270'

TOOLS USED

Rotary tools were used from Surface feet to 4535 feet, and from feet to feet

Cable tools were used from 4535 feet to 5270 feet, and from feet to feet

Gas rotary

DATES

Ran Tubing April 28, 19 53 Put to producing Potential Test May 11, 19 53

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 6,520,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1074#

EMPLOYEES

Great Western Drilling Co., Driller , Driller

Well Inc., Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1957	1957	Sand, Shale
1957	2080	123	Shale
2080	2560	480	Shale, Sandstone Streaks
2560	2915	355	Shale, Sand, Coal Streaks
2915	2985	70	Sandstone
2985	3080	95	Shale, Sandstone Streaks
3080	4527	1447	Shale
4527	4707	180	Sandstone, hard
4707	5100	393	Shale, Sandstone, Coal
5100	5220	120	Sandstone
5220	5267	47	Shale, Thin Sandstone Streaks

Base Ojo Alamo	Tertiary	1957
Top Farmington Sand		2080 (?)
Top Fruitland		2560
Top Pictured Cliffs		2915
Top Lewis Shale		2985 (?)
Top Cliff House		4527
Top Menefee		4707
Top Point Lookout		5100
Top Mancos		5220 (?)

FOLD MARK

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Sand, shale
1551	1561	10	Shale
1561	2080	519	Shale, sandstone streaks
2080	2520	440	Shale, sandstone streaks, coal
2520	2575	55	Sandstone
2575	2585	10	Shale, sandstone streaks
2585	3080	495	Shale
3080	3250	170	Sandstone, hard
3250	3300	50	Shale, sandstone, coal
3300	3350	50	Sandstone
3350	3364	14	Shale, thin sandstone streaks
			Base of Mesa Verde 3364
			Top Farmington sand (3) 3080
			Top Fruitland 3390
			Top Pictured Cliffs 3515
			Top Lewis Shale (3) 3585
			Top Cliff House 3754
			Top Menefee 4004
			Top Point Lookout 4500
			Top Mancos (4) 5550

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1561	1561	Sand, shale
1561	2080	519	Shale
2080	2520	440	Shale, sandstone streaks
2520	2575	55	Shale, sand, coal streaks
2575	2585	10	Sandstone
2585	3080	495	Shale, sandstone streaks
3080	3364	284	Shale

EMPLOYEES

Roger Pressnall, Jas. Fox, Jr. Jim Todd

Dallas, Texas — Dallas, Texas

Great Western Drilling Co. — Dallas, Texas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Top Menefee 4004
			Top Point Lookout 4500
			Top Mancos (4) 5550

SHOOTING RECORD

Depth shot	Depth cleaned out

Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from surface feet to 5270 feet, and from feet to feet

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

DATES

Ran Tubing: 8-11-53 to 8-13-53

Initial Test: Put to producing 8-14-53

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 6,520,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1065#

EMPLOYEES

Great Western Drilling Co. — Dallas, Texas

Dallas, Texas

BITS AND LINERS USED

Size	Kind	Depth set
13-3/4"	Reg.	173'
8-3/4"	Reg.	4535'
6-1/4"	Reg.	5270'

CASING RECORD

Size	Weight per foot	Number sacks of cement	Method used	Weight mud fluid	Amount of mud fluid used
13-3/4"	32.75#	175 sacks regular Portland cement			
8-3/4"	20# & 23#	150 sacks Howcolite, 50 sacks neat cement			
2-7/8"	6.50#	165 joints and 1 joint			

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
13-3/4"	Dynamite	100	9-23-52	180'	
8-3/4"	Dynamite	100	4-15-53	4535'	

CASING RECORD

Size	Weight per foot	Number sacks of cement	Method used	Weight mud fluid	Amount of mud fluid used
13-3/4"	32.75#	175 sacks regular Portland cement			
8-3/4"	20# & 23#	150 sacks Howcolite, 50 sacks neat cement			
2-7/8"	6.50#	165 joints and 1 joint			

TOOLS USED

Rotary tools were used from surface feet to 173 feet, and from feet to feet

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

DATES

Ran Tubing: 8-11-53 to 8-13-53

Initial Test: Put to producing 8-14-53

The production for the first 24 hours was 55 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, 48° Bé.

If gas well, cu. ft. per 24 hours 6,520,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1065#

EMPLOYEES

Roger Pressnall, Jas. Fox, Jr. Jim Todd

Dallas, Texas — Dallas, Texas

Great Western Drilling Co. — Dallas, Texas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1561	1561	Sand, shale
1561	2080	519	Shale
2080	2520	440	Shale, sandstone streaks
2520	2575	55	Shale, sand, coal streaks
2575	2585	10	Sandstone
2585	3080	495	Shale, sandstone streaks
3080	3364	284	Shale
3364	3390	26	Sandstone, hard
3390	3500	110	Shale, sandstone, coal
3500	3550	50	Sandstone
3550	3564	14	Shale, thin sandstone streaks
3564	3580	16	Base of Mesa Verde
3580	3585	5	Top Farmington sand (3)
3585	3590	5	Top Fruitland
3590	3754	164	Top Pictured Cliffs
3754	4004	250	Top Lewis Shale (3)
4004	4500	496	Top Cliff House
4500	5550	1050	Top Menefee
5550			Top Point Lookout
			Top Mancos (4)

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots; if plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 9-21-52 at 10:00 AM. Drilled 180' of 13-3/4" hole. Ran 5 joints of 10-3/4" OD 32.75# H-40 8 Rd. Thd. Smls. Casing. 163' overall, landed at 173'. Cemented with 175 sacks regular Portland cement. Cement circulated to surface. WOC 24 hours. Ran drill pipe to top of plug at 135'. Closed blow-out preventor, pressured up with 500#, held pressure for 30 minutes. No loss of pressure.

Drilled 8-3/4" hole from 180' to 4535'. Ran Schlumberger to 4535'. Ran 7" OD 20# and 23# J-55 Smls. Casing. 145 joints 4558' overall. Landed at 4534'. Ran Howco 2-stage cementing DV tool in casing string at 3193-95'. 1st stage cement job - 50 sacks neat regular cement and 150 sacks Howcolite. Dumped plug to 4502'. Displaced plug with 100#. Waited 8 hours. Ran temperature survey. Found top of cement behind pipe at 3240'. 2nd stage cement job - ran 50 sacks regular neat cement and 150 sacks Howcolite through DV tool at 3193-95'. Closed DV tool with 2000# pressure. Ran temperature survey. Found top of cement behind pipe at 2200'.

Drilled 6-1/4" hole with gas rotary from 4535-5270'. Had 855 MCF/24 hours natural. Ran Schlumberger. Shot well with 1660 quarts SNG by Independent Eastern Torpedo Co. Cleaned out to 5270'.

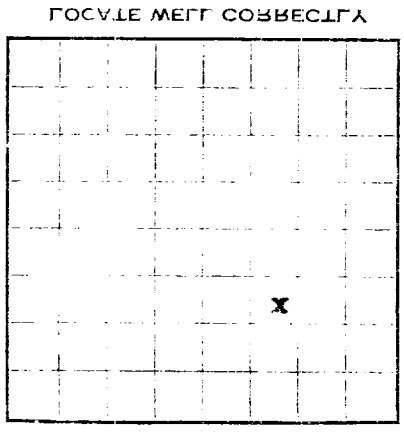
Ran 2-7/8" OD EUE 6.50# J-55 8 Rd. Thd. Tubing, 165 joints and 1 joint 2-7/8" OD EUE 8 Rd. Thd. J-55 Perf. and orange peel plugged. 5181' overall, landed at 5159'.

Took 3 hour pitot test 5-11-53. SIP 1065#. Made 6,520 MCF/24 hours.

Company Vanderburg-Richardson Oil and Gas Operation Address Tenth and Main Bldg., Oklahoma City, Okla.

Lease or Farm Name Navajo Well No. 1 Sec. 8 T. 30N R. 18W N.M.P.M. County San Juan State New Mexico

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

RECEIVED
MAY 18 '53
OIL CON. COM.
DIST. 3

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER 047878-B

L.A. LAND OFFICE Santa Fe

Budget Bureau No. 42-R355.5.
Approval expires 12-31-53.

FORM 9-330

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE