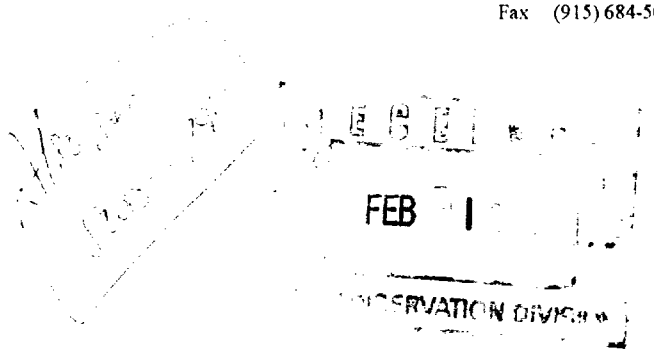
103650378 SWD 2/16/01

SHACKELFORD OIL COMPANY

P.O. Box 10665
Midland Texas 79702

Phone (915) 682-9784
Fax (915) 684-5026

January 22, 2001



Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, NM 87501

Certified Mail #7000 0520 0020 3897 8168

Attn: David R. Catanach

Re: Application for Saltwater Disposal
LOOMIS FEDERAL #1 (30-025-01760)
Delaware Mountain Group, Seven Rivers

Dear Mr. Catanach:

Enclosed is Shackelford Oil Company's Application For Authorization to Inject (Form C-108) and required supporting data, for salt water disposal in the referenced well bore. I trust this will fulfill the data needed for the administrative approval of Shackelford oil Company's application.

Should you need additional data or have any questions, please contact me.

Sincerely yours,

Don G. Shackelford

DGS/llh

oilconvd.soc

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: SHACKELFORD OIL COMPANY

Address: P. O. BOX 10665 MIDLAND, TX 79702

Contact party: DON SHACKELFORD Phone: (915) 68 2-9784

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: DON SHACKELFORD Title PRESIDENT

Signature: [signature] Date: January 25, 2001

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

SHACKELFORD OIL COMPANY
WATER DISPOSAL APPLICATION
WELL DATA SHEET

III.

A. 1. Lease Name: Loomis Federal **Location: 1980' FNL & 1980' FWL**
Well No.: 1 **Sec. 23, T20S, R33E**
Lease No.: LC070335

2. Casing Data: 7 5/8", 26.40#, J-55 to 1449', 350 sxs cement
9 7/8" hole, TOC 280'
5 1/2", 14#, J-55 to 3386', 285 sxs cement
6 3/4 hole, top of cement @ 890'

3. Tubing Data: 2 3/8" Plastic Coated, 4.70#, J-55 @ 156'

4. Packer Data: None

B. 1. Injection formation: Yates and Seven Rivers Formation

2. Perforated Interval: OH 3386' - 3425'

3. Original purpose of well: To test Yates and Seven Rivers formation for production of oil and gas in commercial quantities.

4. Plugged back perforations: None

5. Next higher productive zone: Rustler
Next lower productive zone: Seven Rivers

VII.

1. Proposed average daily rate: 1000 bwpd
Proposed maximum daily rate: 1400 bwpd

2. The system will be a closed system.

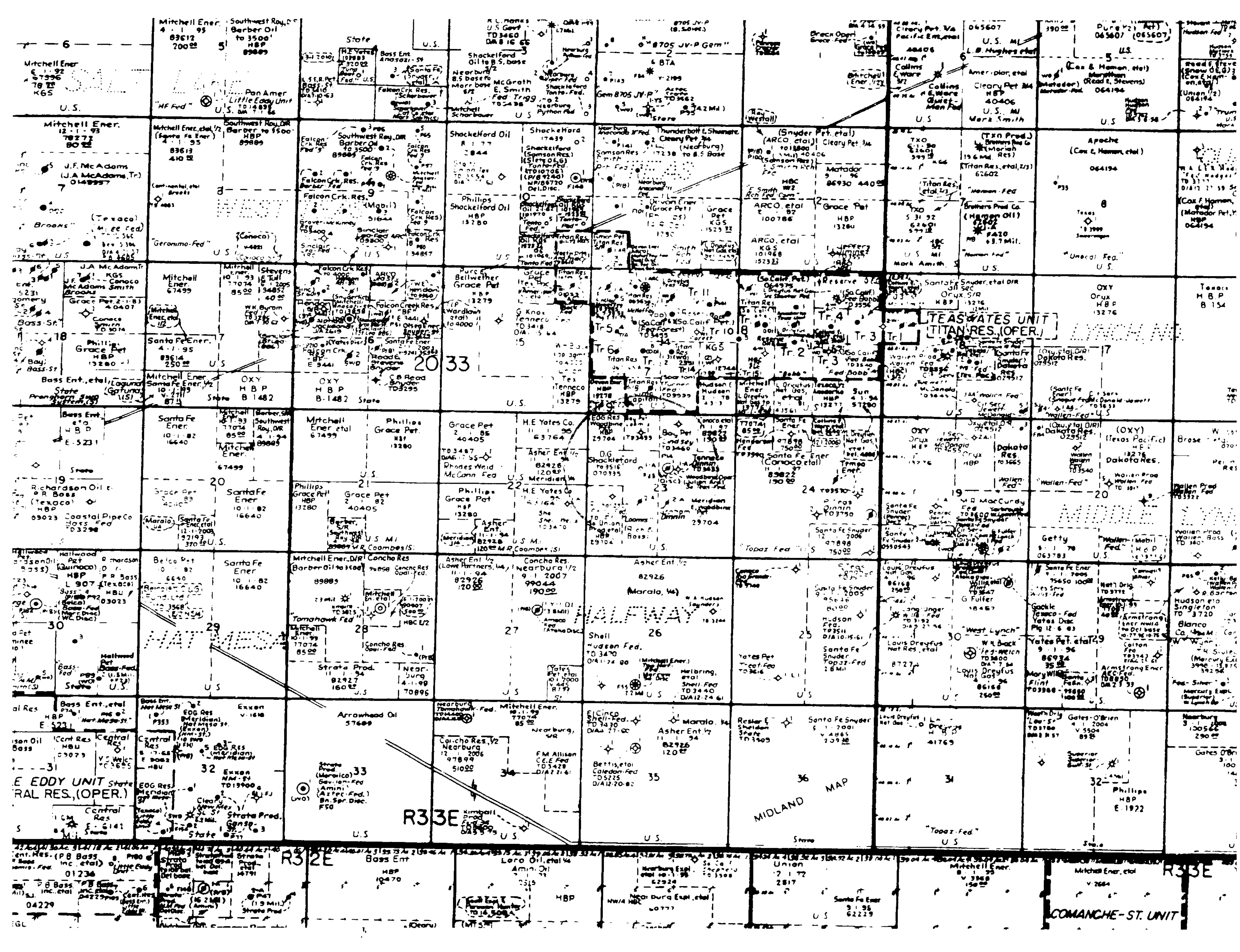
3. Proposed average injection pressure: 200 psi
Proposed maximum injection pressure: 1000 psi

4. Water to be disposed of in this well will be from wells in the same field and producing from the same formation. Water will also be disposed in this well from wells in the Tonto Field producing from the Delaware Formation.

VIII.

1. **Formation name: Yates and Seven Rivers**
   Lithology: DOLOMITE, SANDY DOLOMITE
   Thickness: ~~33'~~
   Depth: ~~3331' - 3389'~~

2. **There are no water wells permitted for use in this area to the best of our knowledge.**



MIDLAND MAP
R33E
R32E
TEAS YATES UNIT
TITAN RES.(OPER.)
E EDDY UNIT
RAL RES.,(OPER.)
COMANCHE-ST. UNIT
HALFWAY

MARTIN WATER LABS

LAB NO. CORR

SEND TO: BOB SHACKELFORD
MIDLAND

DATE REC. 1/18/89
RR

COMPANY WOODBINE PET
FIELD TEAS YATES

LEASE C L LUOMIS
COUNTY LEA NM

No. 1 WELL #1
No. 2 WELL #2
No. 3
No. 4
REMARKS:

FROM ANALYSIS DATED 8/9/87 LOOMIS 2-3

	#A	#1	#2	#3	#4
SPECIFIC GRAVITY	1.0104	1.0117	1.0108	1.0116	.0008
pH WHEN REC	7.3	6.87	7.10	7.1	
BICARBONATE as HCO3	1025	1116	1043	1147	104
TOTAL HARD. as CaCO3	2775	3125	2825	2900	75
CALCIUM as Ca	660	732	720	740	20
MAGNESIUM as Mg	222	315	249	255	6
SODIUM &/or POTASSIUM	2067	3490	2718	2654	64
SULFATE as SO4	2104	2198	2087	2136	49.
CHLORIDE as Cl	4048	5326	4048	3906	142
IRON as Fe	.04	0.40	4.20	.27	3.92
BARIUM as Ba	0	0	0	0	
TOTAL SOLIDS, CALC.	11461	13178	10865	10933	27
HYDROGEN SULFIDE	0.0	687.5	310.0	1000	690
RESISTIVITY	.369	0.555	0.608	.618	.01
API OIL GRAVITY			27.2	30.3 DATE	11/3/87

WE NOTE NO SIGNIFICANT CHANGES IN EITHER OF THE ABOVE RECOVERED WATERS WHEN COMPARED WITH THE LAST ANALYSIS (89721) OF THESE WELLS.

PERFORATING GUNS ATLAS CORPORATION

PGAC

Simultaneous Radiation Log

LOG NO.	20295
STATION	HOBBS
TRUCK NO.	GR-24

COMPANY	TENNESSEE GAS TRANSMISSION COMPANY
WELL	U.S.A. CHARLES S. LOOMIS A # 1
FIELD	W/C
COUNTY STATE	LEA, NEW MEXICO
LOCATION	1980' FNL 1980' FWL SEC. 23 TWP. 20-S RGE. 33-E
LOG MEAS. FROM	K.B. ELEV. 3628
DRLG. MEAS. FROM	SAME ELEV. 3628
PERMANENT DATUM	G.L. ELEV. 3617

COMPANY	WELL	FIELD	COUNTY	STATE
TENNESSEE GAS TRANSMISSION COMPANY	U.S.A. CHARLES S. LOOMIS A # 1	W/C	LEA	NEW MEXICO

CASING RECORD			BORE HOLE RECORD		
SIZE "-WT.#	FROM	TO	BIT SIZE-"	FROM	TO
7 7/8	SURF	1448	9 5/8	SURF	1448
			6 3/4	1448	3120
			5	3120	3415

REMARKS:

TYPE OF LOG	GAMMA RAY - NEUTRON
RUN NO.	ONE
DATE	6-10-59
TOTAL DEPTH - DRILLER	3420
TOTAL DEPTH - P.G.A.C.	3416
FLUID IN HOLE	OIL
FLUID LEVEL	587
MAXIMUM TEMPERATURE °F.	-
INSTRUMENT O.D. AND NO.	3 5/8 - 24E
INSTRUMENT TYPE	TA - PH - 125
NEUTRON SOURCE TYPE	RB - 600
CPS FOR CALIB. STD. - GR	90
- N	200
RECO'R. SLNS. 4"/100 SNU	206
RECORDED BY	SMITH
WITNESSED BY	ABELL

LOGGED INTERVAL RECORD

SCALE "/100'	FROM FT.	TO FT.	SPEED '/MIN.
2	3415	100	60
5	3415	3100	18

GAMMA-RAY			NEUTRON		
SENSITIVITY		T.C.	SENSITIVITY		T.C.
RECO'R	SCALE "/(μR/HR)	SEC.	RECO'R	SCALE "/100 SNU	SEC.
65	0.4	2	103	2.0	2
65	0.4	4	103	2.0	4

LOG ZERO AND SCALE DESIG.

IN. TO ZERO | SCALE* | SCALE*

* GAMMA-RAY - IN./(μR/HR.)
* NEUTRON - IN./100 S.N.U.

REMARKS: INSTRUMENT RUN FREE.

Reproduced By
West Texas Electrical Log Service
Dallas 2, Texas

WW. W. WEST

REFERENCE A8960D

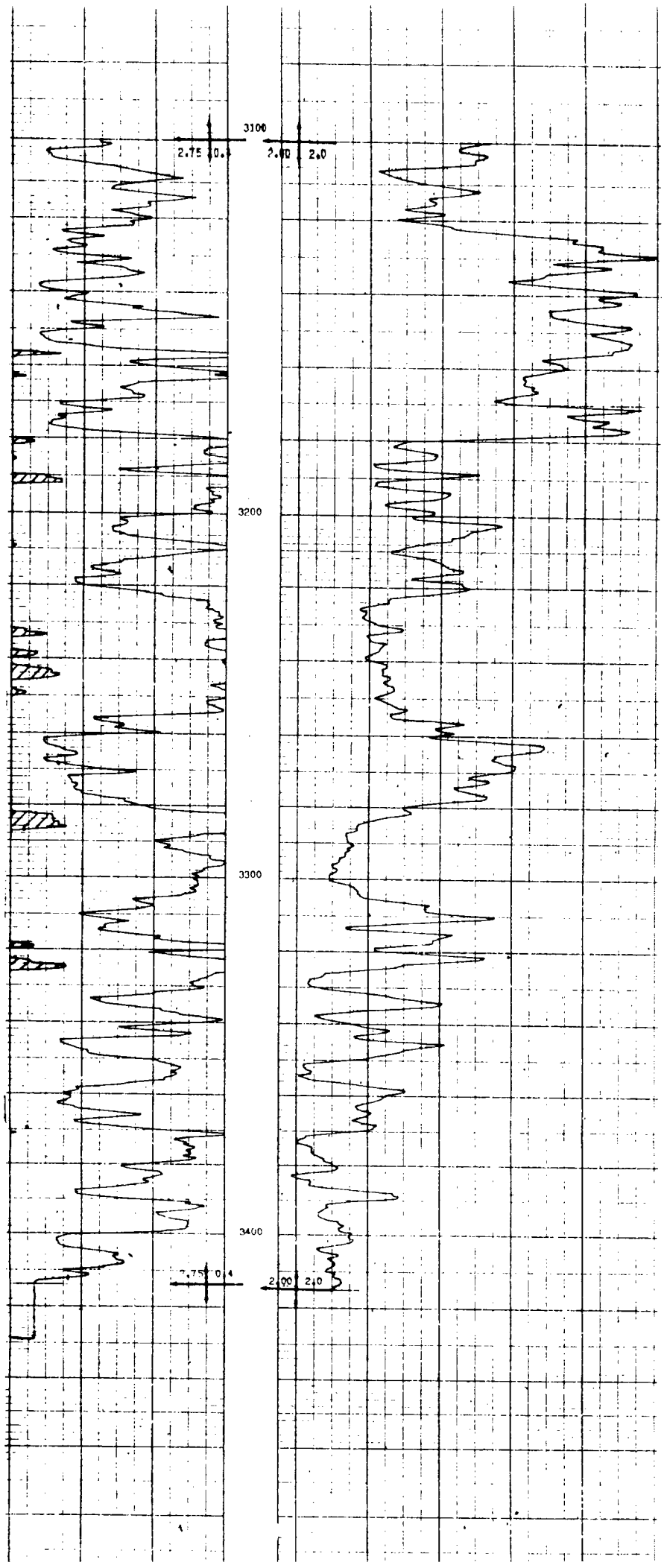
7 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

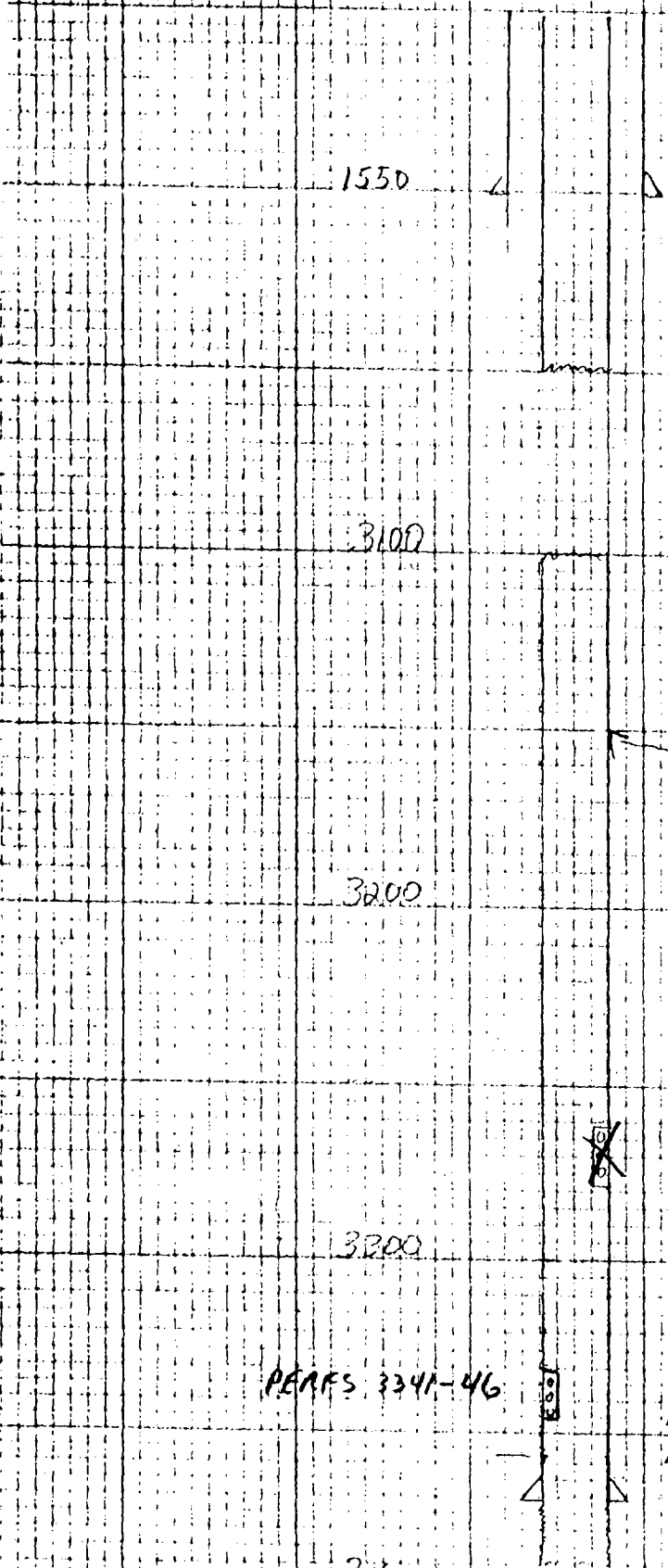

3100
2.75
2.00
2.0
3200
3300
3400
2.75
2.00
2.0

APPLICATION FOR SALT WATER DISPOSAL
LOOMIS FEDERAL #1
TEAS YATES, SEVEN RIVERS FIELD
LEA COUNTY, NEW MEXICO

WELL DATE TABULATION

Operator	Well Name	Type	Date Drilled	Location	Depth	Completion
Shackelford Oil	Loomis 1-A	OIL	6/59	23-20S-33E	3,416'	3,410-16' Seven River
Shackelford Oil	South Teas	OIL	7/82	23-20S-33E	13,514'	11,596-608' in W.C. (Original) PB 5/85 8,352-450' in Bone Springs (Current)
Tenneco	Dinnin #1-A	DRY	9/59	23-20S-33E	3,433'	P & A
Bay Petroleum	Loomis #1	DRY	2/47	23-20S-33E	3,433'	P & A
Tenneco	USA Dinnin A-2	OIL	10/59	23-20S-33E	3,429'	3,418-29' Open hole P & A 12/74
Bay Petroleum	Lindsey Federal #1	DRY	7/54	23-20S-33E	3,460'	P & A
Shackelford Oil	Perry Federal #1	DRY	4/61	23-20S-33E	3,414'	P & A Then converted SWD

COMP. 8/25/59
LOOMIS 2-A



7 5/8", 26.4 # TO 1551
565 SX CEMENT
TOC 1901

TOP OF CEMENT
AT 1000' BY TEMP.
SURVEY
CEMENTED W/ 300 SX
DIAMIX-REG., 2% GEL AND
18 # SALT/SK.

AT 3150 CHANGED FROM
RT TO CT ALSO FROM
6 3/4" HOLE TO 6 1/2" HOLE

PERFS 3257-81

PERFS 3341-46

4 1/2" SHOE, HOWCO, FORM PACKER, 8 RD, A

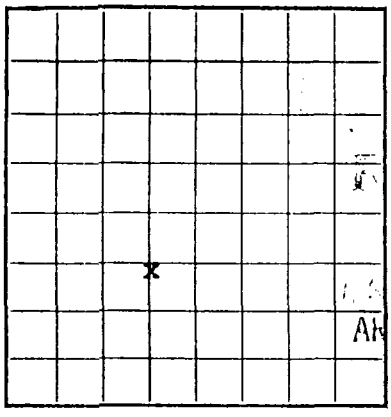
4 1/2" AT 3371
LONE STAR, ST+C, Kg-2, EW, 9.5 #, J-55, 8 RD, A

OH 3371-3389

t Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Artesia
SERIAL NUMBER Las Cruces 070335
LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

HOBBS OFFICE OCC
UNITED STATES
1958 SEP 13 PM 1:46
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 10 1959

LOG OF OIL OR GAS WELL

SHACKELFORD OIL COMPANY

Company Tennessee Gas Transmission Company Address Box 307, Hobbs, New Mexico

Lessor or Tract Charles S. Loomis USA "A" Field Teas State New Mexico

Well No. 2 Sec. 23 T. 20-S R. 33-E Meridian NMPM County Lea

Location 1980 ft. {N./S.} of S Line and 1980 ft. {E./W.} of W Line of Section 23 Elevation 3628
(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 D. W. Coffey D. W. Coffey

Date September 1, 1959 Title District Production Superintendent

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

Commenced drilling July 30, 19 59 Finished drilling August 17, 19 59

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3379 to 3389 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
7 5/8"	26.4	8	J-55 & N-80	1573'	Larkin Shoe & Float Collar				
4 1/2"	9.5	8	J-55	3376'	HOWCO Formation Packer & Shoe				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8"	1551'	565	Pump & Plug	Fresh Water	
4 1/2"	3371'	300	Pump & Plug	Salt Water	

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

FOLD | MARK

MUDDIN AND CEMENTING RECORD

...ing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	1551'	565	Pump & Plug	Fresh Water	
1/2"	3371'	300	Pump & Plug	Salt Water	

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 Surface feet to 3150 feet, and from ..... feet to ..... feet

Cable tools were used from 3150 feet to 3389 feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing August 25, 19.59

The production for the first 24 hours was 50 barrels of fluid of which 99.7% was oil; .....% emulsion; 0.3% water; and 0% sediment.

Gravity, °Bé. 25.7

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

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

EMPLOYEES

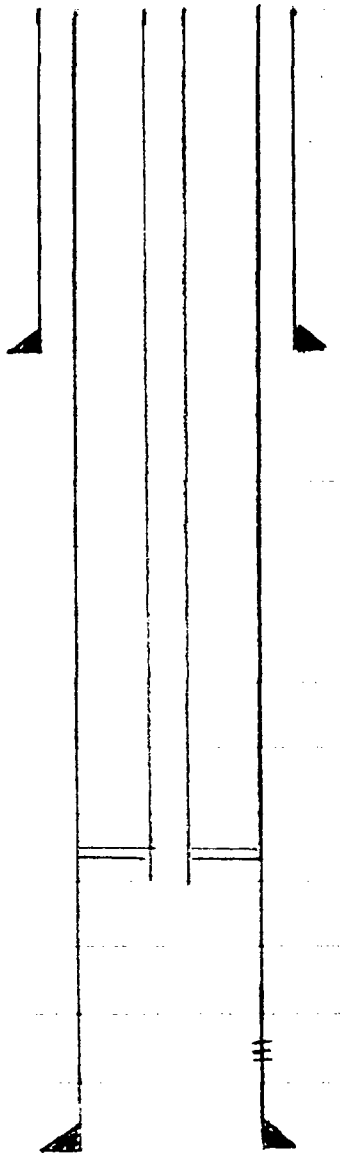
....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	875	875	Surface Rock and Red Beds
875	1087	212	Red & Blue Shale
1087	1550	463	Shale & Anhydrite
1550	2988	1438	Anhydrite, Salt, & Potash
2988	3155	167	Anhydrite & Dolomite
3155	3195	40	Dolomite, Anhydrite, & Sand
3195	3267	72	Dolomite & Sand
3267	3278	11	Sand
3278	3389	111	Dolomite & Lime
Geological Tops			
1428			Rustler
3017			Tansill
3139			Yates
3377			Seven Rivers

SHACKELFORD OIL COMPANY
PERRY FEDERAL #1



8 5/8", 24#, J-55 TO 1608', 700 SX CEMENT
CEM. TO SURFACE

PERFS 3358-94 + 3377-82
A/1100 GALS 15% NEFE

2 3/8" PC, 4.7#, J-55 ≈ 2800' W/4 1/2" PACKER

TD 3448'

4 1/2", 10.5#, J-55 TO 3431
960 SX CEMENT
TOC 679 (CAL.)

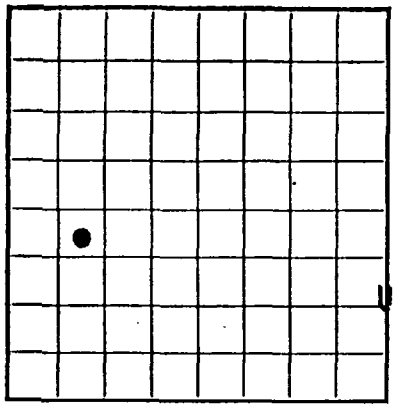
ARTESIA OFFICE COPY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

Copy to: Roswell
NMOCC(2)

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC 067265
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
MAY 29 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sid W. Richardson Inc. Address Box 1178 Monahans, Texas

Lessor or Tract Perry-Federal Field Teas State New Mexico

Well No. 1 Sec. 23 T. 20S R. 33E Meridian NMPM County Lea

Location 2310 ft. {N./S.} of S Line and 990 ft. {E./W.} of W Line of Sec 23 Elevation 3619.0' DF
(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 [signature]

Date May 25, 1961 Title Assist Div Ofc Mgr.

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

Commenced drilling April 9, 1961 Finished drilling April 28, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3279' to 3307' No. 4, from 3399' to 3408'

No. 2, from 3350' to 3360' No. 5, from ____ to ____

No. 3, from 3374' to 3383' No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from None 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
8-5/8	24#	8 rd	J&L	1608.27'	Baker	None	None		Cementing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1608.27'	700	P.P	13.0	Hole Full

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

FOLD | MARK

See attached sheet.

TOOLS USED

Rotary tools were used from -0- feet to 1625 feet, and from .... feet to .... feet

Cable tools were used from 1625 feet to 3414' feet, and from .... feet to .... feet

DATES

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

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

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

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

EMPLOYEES

Ed Casper ...., Driller   J. F. Boatwright ...., Driller

B. R. Abrams ...., Driller   ...., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	1520	1520	Shale & Sand
1520	1608	88	Anhydrite
1608	1670	62	Dolomite, Anhydrite & Salt
1670	1700	30	Dolomite
1700	3000	1300	Salt w/anhydrite stringers
3000	3015	15	Anhydrite
3015	3166	151	Anhydrite & Dolomite
3166	3408	242	Sand & Dolomite streaks
3408	3414	6	Dolomite - Total Depth

GEOLOGICAL TOPS

Top Rustler Anhydrite	1520'
Top Salt	1608'
Base Salt	3000'
Top Yates	3165'
Top Seven Rivers	3408'
Total Dpth	3414'

SEE ATTACHED SHEET FOR PLUGGING RECORD AND ABANDONMENT.

(OVER)   16—43094-4

ARTESIA OFFICE COPY

Copy to: Roswell
NMOCC(2)
(SUBMIT IN TRIPLICATE)

Form 9-331a
(Feb. 1941)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

APPROVED
SEP 21 1961
NOV 0 C 1961
ACTING DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office New Mexico
Lease No. LC 067265
Unit Undesignated

RECEIVED
MAY 5 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT X
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)

May 4, 1961.

PERRY FEDERAL
Well No. 1 is located 2310 ft. from {S} line and 990 ft. from {W} line of sec. 23

SW 1/4 (¼ Sec. and Sec. No.) T-20-S (Twp.) R-33-E (Range) N. M. P. M. (Meridian)

Teas (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3618 ft.

Elevation of KDB, the permanent measurement datum, 3619.0'.

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)

Rigged up to drill with cable tools; drilled to 3279; bailed dry; recovered 1 gal. mud on 1 hr. bailing test. Drilled to 3307, bailed dry; recovered 3 gal. oily mud with 1/2 pint free oil on 1½ hr. bailing test. Drilled to 3383, bailed dry; recovered 5 gal. oily mud on 1 hr. bailing test. Additional bailing indicated 5 gal. oil per hr. from sand 3378-3383. At 3400', bailing test indicated 10-12 gal. oil per hr., but after drilling to 3411, a bailing test recovered 9 gal. clean oil in 2 hrs. At TD 3411, ran Lynes packers. Set top packer 3366-3370, bottom packer 3398-3402. Acidized below bottom packer with 250 gal. acid. Swabbed back oil load; recovered no acid water or additional fluid. Re-acidized with 2500 gal. Swabbed load, then recovered sulphur water at a rate of about 3 bbls. per hour. Closed tool to shut in bottom zone; treated between packers with 250 gal. acid. Swabbed dry. Pulled packers, made 3' of hole to final TD 3414. Bailed an increased volume of sulphur water. TD reached 5-1-61. Ran tubing, spotted 100 sx. at 3404. Checked top at 3135. Spotted 75 sx. w/ 6 lbs. salt per sack at 3105. Filled above plug with 35 sec. vis. mud. Spotted 75 sx. w/ 6 lbs. salt per sack at 1711. Spotted 15 sx. at 45' to fill to surface. Installed marker. P&A 5-3-61.

Company SID W. RICHARDSON INC.

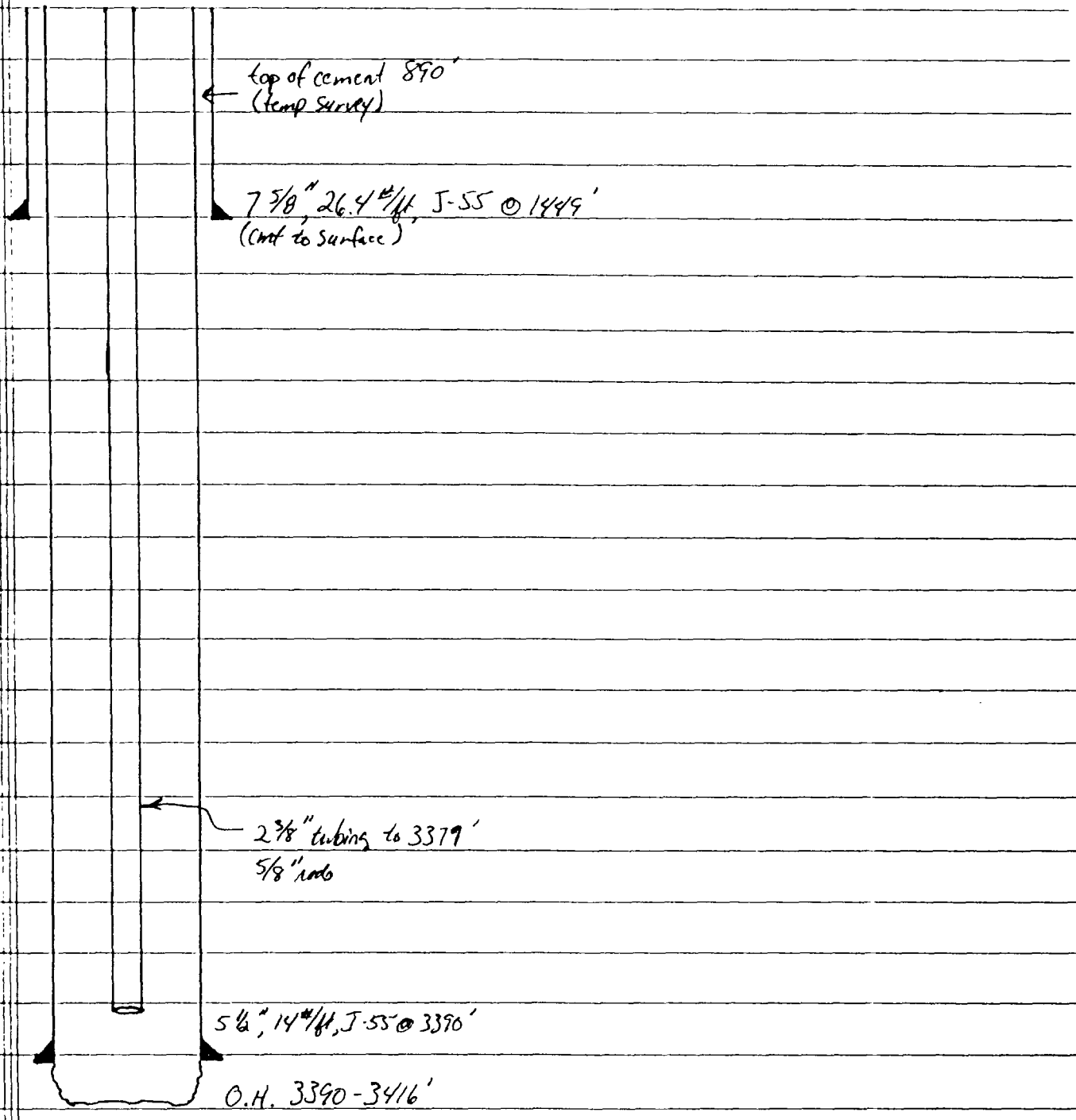
Address Box 1178

Monahans, Texas

By Walter D. Powers
Walter D. Powers
Title Asst. Div. Mgr.

GPO 9 18 907

Woodbine Petroleum
Looms #1-A

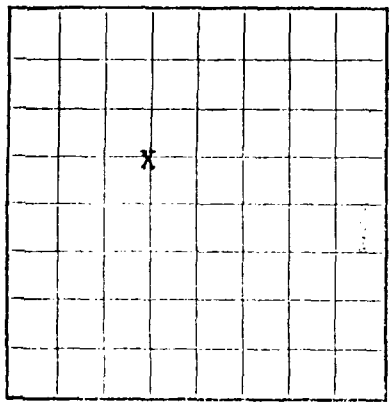


COPY TO U. S. G. S.

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Artesia
SERIAL NUMBER Las Cruces 070335
LEASE OR PERMIT TO PROSPECT



RECEIVED
JUL 6 1959
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

SHACKELFORD OIL COMPANY

Company Tennessee Gas Transmission Company Address P. O. Box 307, Hobbs, New Mexico

Lessor or Tract Chas. S. Loomis USA "A" Field Teas State New Mexico

Well No. 1 Sec. 23 T20-S R33-E Meridian NMPM County Lea

Location 1980 ft. [N.] of N Line and 1980 ft. [E.] of W Line of Section 23 Elevation 3605
(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 Neal Cooper

Date June 30, 1959 Title District Production Supt.

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

Commenced drilling May 10, 1959 Finished drilling June 9, 1959

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3410 to 3416 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
7 5/8"	26.4#	8 Rd	J-55	1449'	Baker Shoe & Fl. Collar				
5 1/2"	14#	8 Rd	J-55	3386'	Halliburton Form. Pkr. Shoe & Baffle Collar				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8"	1449	350	Pump & Plug	Fresh Water	
5 1/2"	3390	285	Pump & Plug	Salt Water	

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

1449	350	Pump & Plug	Fresh Water	
3390	285	Pump & Plug	Salt Water	

PLUGS AND ADAPTERS

Leaving 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 surface feet to 3120 feet, and from ..... feet to ..... feet

Cable tools were used from 3120 feet to 3416 feet, and from ..... feet to ..... feet

DATES

...., 19..... Put to producing June 21, 19 59

The production for the first 24 hours was 47.7 barrels of fluid of which 99.2 % was oil; ..... % emulsion; 0.8 % water; and 0 % sediment. Gravity, °B6. 26.0

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

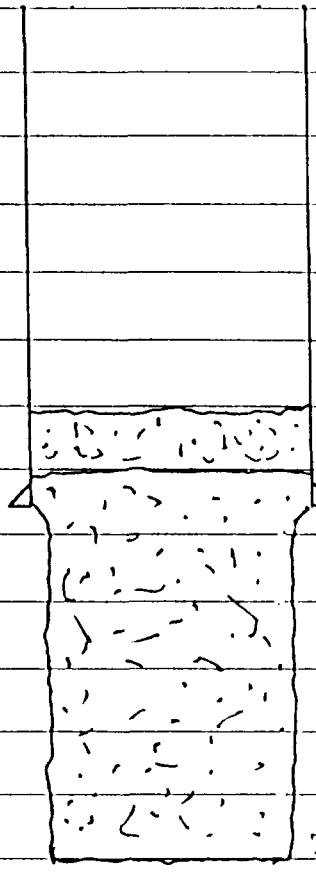
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	650	650	Surface Rock & Red Rock
650	1190	540	Red Bed & Anhydrite
1190	1430	240	Red Rock & Shale
1430	1540	110	Anhydrite
1540	1695	155	Anhydrite, Lime & Gyp
1695	2320	625	Anhydrite, Salt & Potash
2320	2630	310	Salt
2630	2842	212	Salt & Potash
2842	3002	160	Anhydrite, Salt & Dolomite
3002	3235	233	Dolomite & Anhydrite & Sand
3235	3391	156	Dolomite & Sand
3391	3416	25	Dolomite & Lime
Geological Tops			
1428			Rustler
3033			Tansill
3161			Yates
3410			Seven Rivers

16—43094-8

FORMATION RECORD—Continued

Tenneco Oil Company
USA Bernice Dinnin "A" #1
P&A 9/59

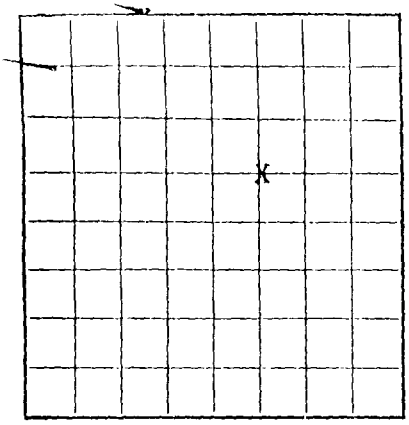


7" casing set @ 1559'

Top cement plug 1554'-1479'

Open Hole plug From TD 3433' to 1554'

TD 3433'



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Artesia
SERIAL NUMBER NM 0964
LEASE OR PERMIT TO PROSPECT G

HOBBS OFFICE OCC
1959 SEP 25 AM 10:10

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Company Address P. O. Box 307, Hobbs, New Mexico

Lessor or Tract USA Bernice Dinnin "A" Field Teas State New Mexico

Well No. 1 Sec. 23 T. 20-S R. 33-E Meridian NMPM County Lea

Location 1980 ft. {N/S} of N Line and 1980 ft. {E/W} of E Line of Section 23 Elevation 3627' (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 ORIGINAL SIGNED BY. J. B. BLANKENSHIP J.B.Blankenship, Jr.

Date September 17, 1959 Title District Office Supervisor

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

Commenced drilling August 9, 19 59 Finished drilling September 9, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3395 to 3433 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
7"	20 & 26	8RD	J-55 S-95	1559'	Rector Shoe & Float Collar				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	1554'	550	Pump & Plug	Fresh Water	

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

3254'	550	Pump & Plug	Fresh Water	

PLUGS AND ADAPTERS

ng plug—Material ..... Length ..... Depth set .....

pters—Material ..... Size .....

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from Surface feet to 3195 feet, and from ..... feet to ..... feet

Cable tools were used from 3195 feet to 3433 feet, and from ..... feet to ..... feet

DATES

Plug & Abandon September 9, 19 59 Put to producing ....., 19.....

The production for the first 24 hours was 75 barrels of fluid of which 1 % was oil; .....% emulsion; 98 % water; and 1 % 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

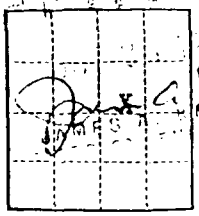
FROM—	TO—	TOTAL FEET	FORMATION
0	250	250	Surface Lime & Red Bed
250	1035	785	Red Bed & Shale
1035	1367	332	Anhydrite & Shale
1367	1555	188	Anhydrite
1555	2850	1295	Salt & Anhydrite
2850	3029	179	Salt, Anhydrite, & Gyp
3029	3190	161	Anhydrite & Lime
3190	3255	65	Lime
3255	3290	35	Sand & Lime
3290	3390	100	Dolomite & Lime
3390	3433 TD	43	Sand, Lime, & Dolomite

Geological Tops

1427	Rustler
3050	Tansill
3190	Yates
3424	Seven Rivers

[OVER]

Form 9-331 a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Artesia
Lease No. NM 0964
Unit G

RECEIVED
NOV 2 1960
O. C. C.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
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)

USA Bernice Dinnin "A" September 17, 19 59

Well No. 1 is located 1980 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 23

NE/4, Section 23 (¼ Sec. and Sec. No.) 20-S (Twp.) 33-E (Range) NMPM (Meridian)

Teas (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3627 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)

1. Plugged open hole with solid cement from TD 3433' to 1554'.
2. Plugged open hole and surface casing with solid cement from 1554'-1479', 75' into 7" surface pipe.
3. Set 4" vertical marker 5' above ground level in 7" surface pipe with 50' (top cement plug).

RECEIVED
SEP 1 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

Company Tennessee Gas Transmission Company

Address P. O. Box 307

Hobbs, New Mexico

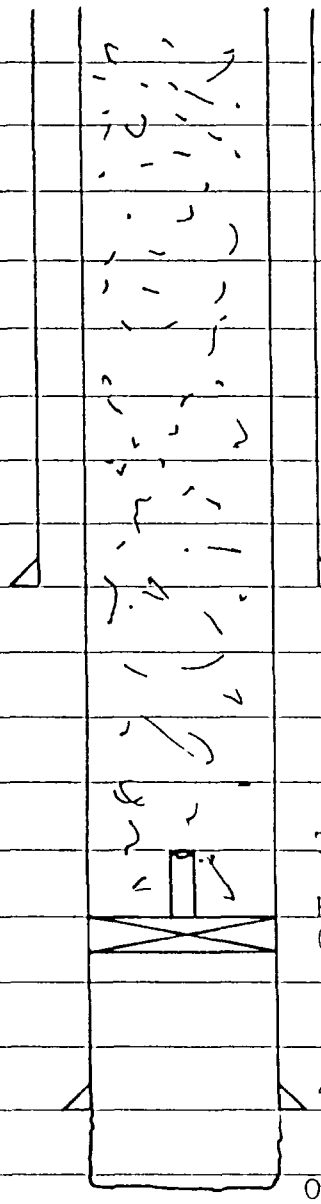
Original Signed By:
D. W. COFFEY

By D. W. Coffey

Title District Production Superintendent

GPO 862040

Tenneco Oil Company
Bernice Dennin "A" #2
P&A 12-4-74



7" casing set @ 1539'

Cemented w/ 150 sacks Class "H" to surface

Top of tubing fish 2951'

Husky Packer left in hole @ 3220'

4 1/2" casing set @ 3418'

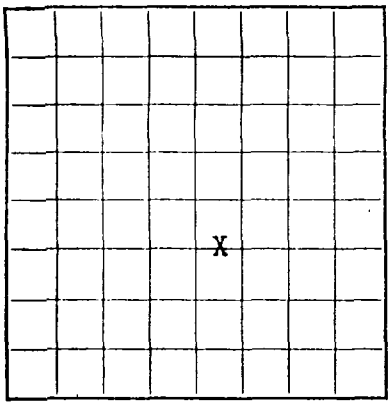
Open hole 3418'-3429'

Budget Bure ... 42-R355.4.
Approval exp... 12-31-60.

Form 9-330

U. S. LAND OFFICE Artesia
SERIAL NUMBER N.M. 0964
LEASE OR PERMIT TO PROSPECT G

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Company Address P. O. Box 307, Hobbs, New Mexico

Lessor or Tract USA Bernice Dinnin "A" Field Teas State New Mexico

Well No. 2 Sec. 23 T. 20S R. 33E Meridian NMPM County Lea

Location 1980 ft. {N./S.} of S Line and 2310 ft. {E./W.} of E Line of Section 23 Elevation 3627 (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 D. W. Coffey

Date October 22, 1959 Title District Production Superintendent

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

Commenced drilling 9/13/, 1959 Finished drilling 10/5, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3380 to 3429 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
7"	20#	8	H-40	1596	Larkin				Surface
	26#		J-55		Texas Pattern				
4 1/2	9.5	8	J-55	3485	Howco				Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	1539	240	pump & plug	Native	Fresh Water
4 1/2	3418	250	pump & plug	Native	Salt Water

PLUGS AND ADAPTERS

Heaving plug—Material ... Length ... Depth set ...

Adapters—Material ... Size ...

1539	240	pump & plug	Native	Fresh Water
3418	250	pump & plug	Native	Salt Water

PLUGS AND ADAPTERS

Casing 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 3190 feet, and from ..... feet to ..... feet

Cable tools were used from 3190 feet to 3429 TD feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing 10/19, 1959

The production for the first 24 hours was 88 barrels of fluid of which 33 % was oil; ..... % emulsion; 65 % water; and 2 % sediment. Gravity, °Bé. 26.1°

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
0	250	250	Surface Lime & Red Bed
250	1035	785	Red Bed & Shale
1035	1367	332	Anhydrite & Shale
1367	1555	188	Anhydrite
1555	2850	1295	Salt & Anhydrite
2850	3029	179	Salt, Anhydrite, & Gyp
3029	3190	161	Anhydrite & Lime
3190	3255	65	Lime
3255	3290	35	Sand & Lime
3290	3390	100	Dolomite & Lime
3390	3429 TD	43	Sand, Lime, & Dolomite

Geological Tops

1433	Rustler
3048	Tansill
3191	Yates
3416	Seven Rivers

Form approved.
Budget Bureau No. 42-R1424.

U ED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI (Other instruction verse side) re-

5. LEASE D SIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL ☐ GAS WELL ☒ OTHER Injection SWD

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Tenneco Oil Company

8. FARM OR LEASE NAME
Bernice Dennin "A"

3. ADDRESS OF OPERATOR
1860 Lincoln Street, Denver, Colorado 80203

9. WELL NO.
2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1980 FSL and 2310 FEL JAN 1975

10. FIELD AND POOL, OR WILDCAT
Teas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T20S, R33E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Casing: 7" Set @ 1539'
4½" Set @ 3418'
TD: 3429 3418'-3429 Open Hole

Procedure:
1. MIRU PU
2. Tried to release retrievable Husky Packer Set @ 3220' and tubing parted @ 1708'
3. Went in hole with overshot and caught fish
4. Went down tubing with chemical cutter and cut off tubing @ 2951'. Pulled chemical cutter out of tubing.
5. Pulled tubing out of hole to overshot. Removed overshot. Removed overshot and replaced split collar. Ran tubing back in hole to 2951'.
6. Cemented hole with 150 sacks class H cement from 2961' to surface.
7. Removed well head and installed dry hole marker.
8. Fill cellar and cleaned up location, fill pit.

Well P&A 12-4-74

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

SIGNED D. C. Crawford TITLE Senior Production Clerk DATE January 2, 1975

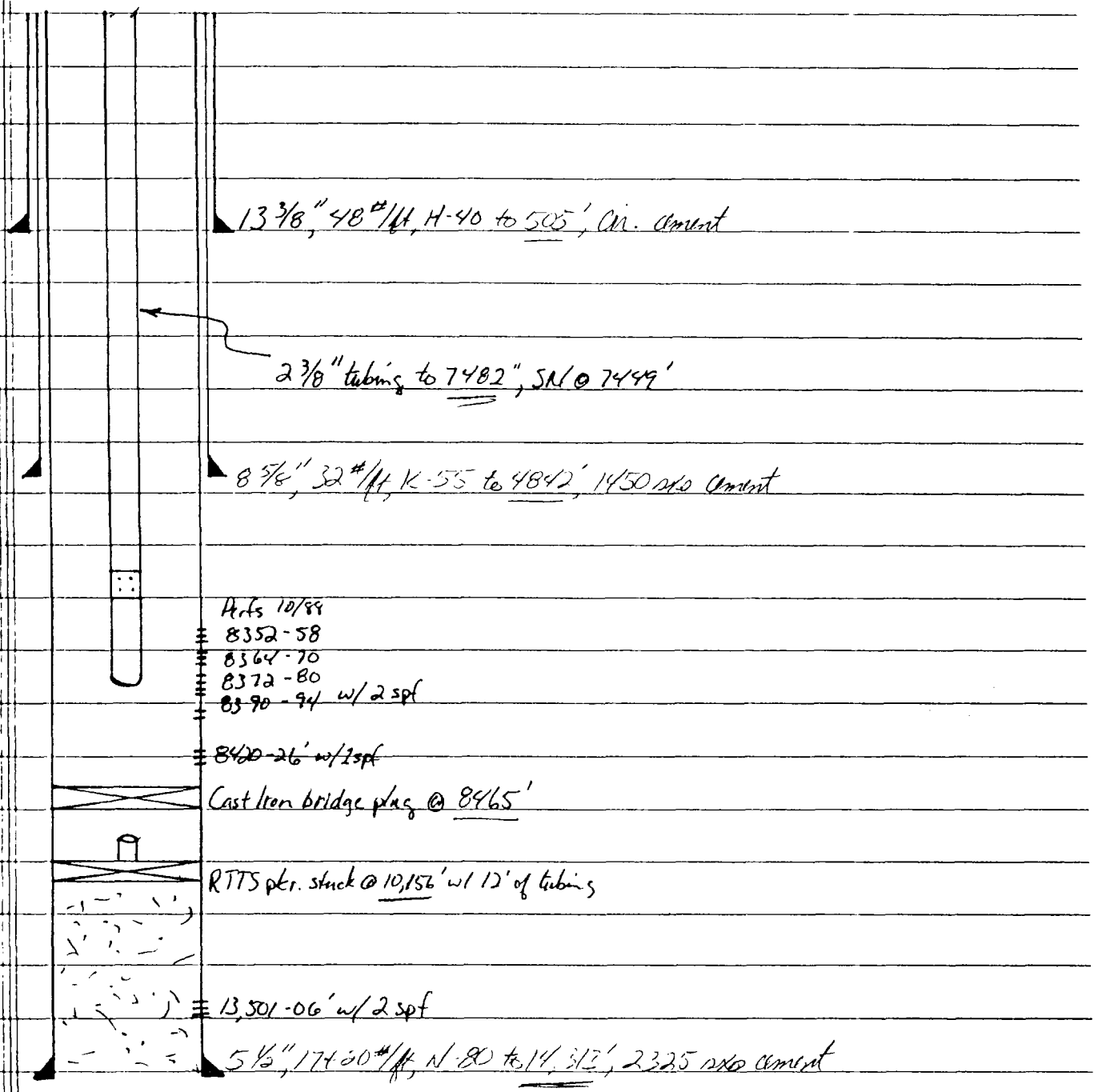
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

JAN 30 1975

*See Instructions on Reverse Side

Woodbine Petroleum
South Texas - Federal #1



N. M. Oil Cons. Commission
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

DEC 20 1982

OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.: NM 29704

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: South Teas Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 23, T20S, R33E

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Julian Ard

3. ADDRESS OF OPERATOR: P. O. Box 17360, Fort Worth, TX 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1980' FNL & 2310' FEL
At top prod. interval reported below: 11,596'
At total depth: 13,519 PBTD

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: Lea | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2-27-82	7-10-82	--	3617' GR	3616'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
14,316'	13,519' PBTD	No	→	Rotary	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Wolfcamp - 11,596' to 11,608'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Laterlog, Compensated Density, Compensated Neutron, Simul. G/R

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5# J55	621'	17½"	255 sks Lite w/250 sks "C"	
8 5/8"	32# J55	4841.88'	12¼	1200 sks Lite w/250 sks "C"	
5 ½"	17# N80		7 7/8"	1725sks "H" + 2% CA CL +2% AFS	
5 ½"	20# N80	14,313'		600 sks Lite "C", 150sks "C"	

Exhibit "A"

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	11,595'	11,565'

31. PERFORATION RECORD (Interval, size and number)
13890 to 13908 - 1 shot each 2'
13524 to 13540 - 1 shot each 2'
11598 to 11605 - 2 shots per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Exhibit "B"	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
11-5-82	Flowing	testing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-23-82	24			12		1	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			12			44.0°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Vented

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
JAN 10 1983
MINERALS MANAGEMENT SERVICE
ROSWELL, NEW MEXICO

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Nancy Holley TITLE Production Agent DATE 12-15-82

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Yates	3212'	3430'	Sand, anhydrite, dolomite
Capitan	3515'	5550'	Dolomite
Delaware Mtn. Group	5640'	6395'	Sand
Bone Springs	7625'	7660'	Dolomite, Sand
" "	7730'	7930'	" "
" "	7990'	8090'	" "
" "	8350'	8430'	" "
" "	9260'	9310'	" "
Wolfcamp	11598'	11606'	Limestone
Strawn	12470'	12487'	"
Morrow	13445'	13473'	Sand
"	13500'	13542'	"

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Cowden Anhydrite	1450	
Yates	3070	
Capitan	3470	
Delaware Mtn. Group	5635	
Bone Springs	6395	
Wolfcamp	10889	
Strawn	12475	
Morrow	12928	
Barnett	13930	

U.S. GOVERNMENT PRINTING OFFICE: 1983—O-683636

ACID RECORD

13890' - 13908' - 250 gals. acetic acid

13292' - 13543' - 200 gals. acetic acid, 2000 gals MS acid 10%

11596' - 11608' - 1000 gals DS acid 20%, 2000 gals. Westpad A

11596' - 11608' - 6000 gals. DS acid 20%, 5000 Westpad A 20% retarded acid.

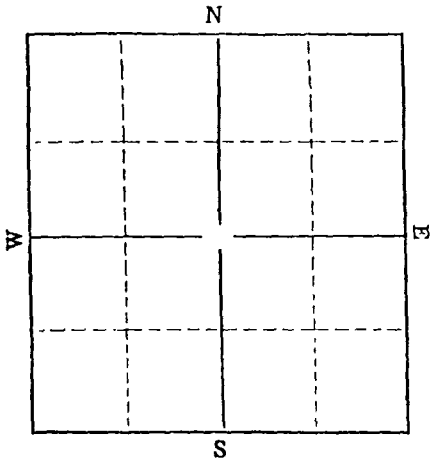
CEMENTING RECORD

13 3/8" Casing - Cemented with 255 sacks Western Lite & 250 sacks class "C" Circulated

8 5/8" Casing - Cemented 1st stage with 1200 sacks pace setter lite(¼# permacheck/sack & 5# salt/sack) and 2nd stage with 250 sacks class "C" neat - did not circulate - set RITS packer and cement with 1400 sacks thick-o-mite - did not circulate - finish cementing with 4400 sacks of Pacesetter lite - Circulated.

5 ½" Casing - Cemented first stage with 1725 sacks class "H" + 2% Cal. Cloride + 2% AFS - DV tool @ 8,036'. Second stage with 600 sacks Pacesetter lite class "C" + 150 sacks premium Class "C" Circulated.

NEW MEXICO OIL CONSERVATION COMMISSION



Company Bay Petroleum Co.

Farm Name Dorris Well No. 1

Sec. 23 Twp. 20 Range 33 County Lea

Feet from Line: 660 N. S. E. 1980 W.

Elevation 3612 Method

Contractor

Spudded 12-7-46 Completed 2-4-47

AMOUNT CASING & CEMENTING RECORD

Size	Feet	Inches	Sax Cement

TUBING RECORD

PACKER

ACID RECORD Gals.	TA	TG
	TX	TSA
	TCA	TGI
	BX	TYo
	TY	TABo
	TSR	TPenn
Top Pay	TQ	TOrd

SHOOTING RECORD

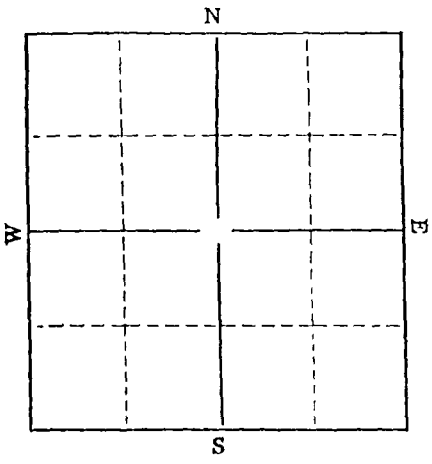
No. of Quarts	From	To
No. of Quarts	From	To
S/	S/	S/
S/	S/	S/
S/	S/	S/

Date		Date	
12-4	Rigging Up Spudder		
12-11	0688 Sd		
12-18	01518 L		
12-31	02510 L		
1-8	03109 L		
1-15	03160 L Rigging up Cable Tool Rig		
1-22	03302 L		
1-29	03369 L		
2-5	03453 L P+A		

14417 Advocate Print

NO PLUGGING REPORT AT OCD

NEW MEXICO OIL CONSERVATION COMMISSION



Company: Bay Petroleum Co.

Farm Name: Dept Loomis — Well No. 1

Sec. 23 — Twp. 20 — Range 33 — County Lea

Feet from Line: 660 N. — S. — E. 1980 W.

Elevation 3612 — Method

Contractor

Spudded 12-7-46 — Completed 2-4-47

AMOUNT
CASING & CEMENTING RECORD

Size	Feet	Inches	Sax Cement

TUBING RECORD

ACID RECORD Gals.	TA	TG
	TX	TSA
	TCA	TGI
	BX	TYo
	TY	TABo
	TSR	TPenn
Top Pay	TQ	TOrd

SHOOTING RECORD

No. of Quarts	From	To
No. of Quarts	From	To
S/	S/	S/
S/	S/	S/
S/	S/	S/

PACKER

Date		Date	
12-4	Rigging Up Spudder		
12-11	@ 688 Sd		
12-18	@ 1518 Q		
12-31	@ 2510 X		
1-8	@ 3109 L		
1-15	TD 3160 L Rigging up Cable Tool Rig		
1-22	@ 3[illegible]2 L		
1-29	@ 3369 L		
2-5	TD 3433 L P+A		

14417 Advocate Print

Form 9-330

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

SEP 22 1954

ROBBS OFFICE

U. S. LAND OFFICE _____
SERIAL NUMBER 080 NM 0964
LEASE OR PERMIT TO PROSPECT _____

COPY

1954 SEP 27 AM 7:27

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Ca. U. Bay Address Box 216, Seminole, Texas

Lessor or Tract Lindsay-Federal Field Teas State New Mexico

Well No. 1 Sec. 23 T. 20S R. 33E Meridian _____ County Lea

Location 330 ft. {N. / S.} of _____ Line and 1980 ft. {E. / W.} of _____ Line of _____ Elevation 3650
(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 /S/ D. W. Coffey
D. W. Coffey

Date 8-24-54 Title Supt.

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

Commenced drilling 7-15, 19 54 Finished drilling 8-22-54, 19 _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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	8R		522		522			S-String

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8	1400	600	Pump		100 Sacks

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

FOLD | MARK