

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐BUR. OF LAND MGMT
ROSWELL DISTRICT

2. NAME OF OPERATOR

J. A. LEONARD

3. ADDRESS OF OPERATOR

P. O. BOX 367, ROUND ROCK, TEXAS 78664

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

Unit F, 1980' FWL, 1980' FNL

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) ☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

7-31 to RU & drilled 12 1/4" hole to 405'. Cemented 10 jts. (434.69') 9 5/8"
8-2-82 csg. with 200 sacks Class "C" with 2% CaCl₂. Circ. 75 sacks.8-3 to Drilled 7 7/8" hole to 5119' TD. Cut Cores. Core #1 from 5059' to
8-20-82 5119'. Core #2 from 5119' to 5179'. (Core report attached).8-21-82 RU Dresser Atlas & ran Sonic-GR log from 5176' to 2800'. RU Halli-
burton and spotted plugs as per verbal approval from U.S.G.S. as
follows: 35 sacks from 5100' to 5000'
35 sacks from 350' to 450'
set surface plug 10 sacks
installed dry hole marker
cleaned up location

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED William A. Leonard TITLE Consulting Engineer DATE 6/14/83

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

PA dated 8

P.O. BOX 2988 * 24 HOUR PHONE 915/563-2628
MIDLAND, TEXAS 79702

COMPANY: J. A. Leonard
WELL: #1 Chambers - Federal 3
FIELD:
COUNTY: Lea County, New Mexico

FORMATION:
MUD TYPE:
LOCATION: 1980' FN & FWL, Sec. 3, T. 26S, R. 33E
ELEVATION: GL 3326'

DATE: August 19, 1982
ANALYST: Grazier
TYPE ANALYSIS: Conventional
with Dean-Stark

SAMPLE	DEPTH	GRAIN DENSITY	PERM. MAX.	PERM. 90%	VERT. PERM.	POROSITY %	FLUIDS SM % P.V.	FLUIDS SO % P.V.	OIL FLOR.	LITHOLOGICAL DESCRIPTION
1	feet	gm/cc	md	md		%	% P.V.	% P.V.		

CORE #1: 5059-5119, 60' Cut & 60' Rec.

1	5059-60	2.64	0.3	-	-	14.6	56.8	41.9	spoty	Sandstone, Shly, Sct s/p, Vt
2	-61	2.62	0.7	-	-	15.4	51.2	18.8	spoty	Sandstone, Shly, Sct s/p, Vt
3	-62	2.65	0.1	-	-	8.6	65.1	17.4	100	Sandstone, Shly, Sct s/p, Vt
4	5062-63	2.65	<.1	-	-	8.2	63.4	12.2	100	Sandstone, Shly, Sct s/p, Vt
5	-64	2.62	0.9	-	-	16.5	61.8	9.7	spoty	Sandstone, Shly, Sct s/p, Vt
6	-65	2.62	<.1	-	-	17.2	63.4	7.0	spoty	Sandstone, Shly, Sct s/p
7	5065-66	2.62	0.3	-	-	16.6	65.7	9.0	spoty	Sandstone, Shly, Sct s/p
8	-67	2.61	2.3	-	-	17.0	66.5	8.2	spoty	Sandstone, Shly, Sct s/p
9	-68	2.61	0.9	-	-	17.3	62.4	6.4	spoty	Sandstone, Shly, Sct s/p
10	5068-69	2.62	0.3	-	-	16.9	71.0	7.1	spoty	Sandstone, Shly, Sct s/p
11	-70	2.62	0.4	-	-	17.2	71.5	10.5	spoty	Sandstone, Shly, Sct s/p
12	-71	2.62	0.6	-	-	17.4	64.9	10.3	spoty	Sandstone, Shly, Sct s/p
13	5071-72	2.62	0.4	-	-	17.0	70.6	5.9	spoty	Sandstone, Shly, Sct s/p
14	-73	2.62	0.4	-	-	16.7	73.7	0.0	0.0	Sandstone, Shly, Sct s/p
15	-74	2.61	0.5	-	-	17.1	71.9	5.8	spoty	Sandstone, Shly, Sct s/p
16	5074-75	2.62	0.3	-	-	16.6	74.1	0.0	spoty	Sandstone, Shly, Sct s/p
17	-76	2.64	0.4	-	-	17.1	70.2	8.8	0.0	Sandstone, Shly, Sct s/p
18	-77	2.63	0.3	-	-	16.9	71.0	0.0	0.0	Sandstone, Shly, Sct s/p
19	5077-78	2.64	0.3	-	-	16.3	71.2	0.0	0.0	Sandstone, Shly, Sct s/p
20	-79	2.64	0.2	-	-	15.0	68.0	0.0	0.0	Sandstone, Shly, Sct s/p
21	-80	2.65	<.1	-	-	9.0	52.2	0.0	0.0	Sandstone, Shly, Lam s/p
22	5080-81	2.62	<.1	-	-	8.2	57.3	0.0	0.0	Sandstone, Shly, Lam s/p
23	-82	2.64	<.1	-	-	8.4	65.5	0.0	0.0	Sandstone, Shly, Lam s/p
24	-83	2.64	<.1	-	-	5.7	54.4	0.0	0.0	Sandstone, Shly, Lam s/p
25	5083-84	2.58	<.1	-	-	3.7	83.8	0.0	0.0	Sandstone, Shly, Lam s/p

BELL PETROLEUM LABORATORIES
P.O. BOX 2988 * 24 HOUR PHONE 915/563-2628
MIDLAND, TEXAS 79702

COMPANY: J. A. Leonard
WELL: #1 Chambers - Federal 3
FIELD:
COUNTY: Lea County, New Mexico

FORMATION:
MUD TYPE:
LOCATION: 1980' FN & FWL, Sec. 3, T. 26S, R. 33E
ELEVATION: GL 3326'

DATE: August 19, 1982
ANALYST: Grazier
TYPE ANALYSIS: Conventional
 With Dean-Stark

DEPTH	GRAIN DENSITY	PERM. MAX.	PERM. 90%	VERT. PERM.	POROSITY %	FLUIDS SW % P.V.	FLUIDS SO % P.V.	OIL FLOR.	LITHOLOGICAL DESCRIPTION
5084-85	2.61	<.1	-	-	2.9	91.7	0.0	0.0	Sandstone, Shly, lam s/p
-86	2.60	<.1	-	-	7.0	72.9	0.0	0.0	Sandstone, Shly, lam s/p
-87	2.58	<.1	-	-	2.8	96.7	0.0	0.0	Sandstone, Shly, lam s/p
5087-88	2.63	<.1	-	-	7.3	79.9	0.0	0.0	Sandstone, Shly, lam s/p
-89	2.64	<.1	-	-	12.3	55.3	0.0	0.0	Sandstone, Shly, lam s/p
-90	2.63	<.1	-	-	10.5	61.0	0.0	0.0	Sandstone, Shly, lam s/p
5090-91	2.62	<.1	-	-	7.9	86.1	0.0	0.0	Sandstone, lam s/p
-92	2.63	<.1	-	-	10.7	70.1	0.0	0.0	Sandstone, lam s/p
-93	2.60	<.1	-	-	4.2	97.6	0.0	0.0	Sandstone, lam s/p
5093-94	2.63	<.1	-	-	6.2	90.3	0.0	0.0	Shale, sil sandy
-95	2.63	0.6	-	-	14.8	73.0	0.0	0.0	Sandstone, lam s/p
-96	2.62	0.5	-	-	15.7	73.2	0.0	0.0	Sandstone, lam s/p
5096-97	2.63	0.2	-	-	14.2	71.8	0.0	0.0	Sandstone, lam s/p
-98	2.62	0.6	-	-	15.9	78.0	0.0	0.0	Sandstone, lam s/p
-99	2.62	0.3	-	-	14.6	74.0	0.0	0.0	Sandstone, lam s/p
5099-5100	2.64	0.1	-	-	12.1	78.5	0.0	0.0	Sandstone, lam s/p
-01	2.62	0.1	-	-	15.6	78.2	0.0	0.0	Sandstone, lam s/p
-02	2.62	0.1	-	-	15.8	68.4	0.0	0.0	Sandstone, lam s/p
5102-03	2.62	0.5	-	-	14.4	75.0	0.0	0.0	Sandstone, lam s/p
-04	2.62	0.5	-	-	13.9	63.3	0.0	0.0	Sandstone, lam s/p
-05	2.63	0.2	-	-	12.7	78.7	0.0	0.0	Sandstone, lam s/p
5105-06	2.61	0.2	-	-	14.8	67.6	0.0	0.0	Shale
-07	2.64	0.3	-	-	10.5	71.4	0.0	0.0	Sandstone, lam s/p
-08	2.63	0.1	-	-	5.5	87.7	0.0	0.0	Sandstone, lam s/p
5108-09	2.63	0.1	-	-	11.0	72.7	0.0	0.0	Sandstone, lam s/p

BELL PETROLEUM LABORATORIES
P.O. BOX 2988 + 24 HOUR PHONE 915/563-2628
MIDLAND, TEXAS 79702

COMPANY: J.A. Leonard
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FIELD:
COUNTY: Lea County, New Mexico

FORMATION:
MUD TYPE:
LOCATION: 1980' FN & FWL, Sec. 3, T. 26S, R. 33E
ELEVATION: GL 3326'

DATE: August 23, 1982
ANALYST: Grazier
TYPE ANALYSIS: Conventional
With Dean-Stark

SAMPLE #	DEPTH feet	GRAIN DENSITY gm/cc	PERM. MAX. md	PERM. 90% md	VERT. PERM.	POROSITY %	FLUIDS SW % P.V.	FLUIDS SO % P.V.	OIL FLOR.	LITHOLOGICAL DESCRIPTION
51	5109-10	2.62	0.1	-	-	11.5	70.4	0.0	0.0	Sandstone, Lam s/p
52	-11	2.62	0.1	-	-	11.1	77.5	0.0	0.0	Sandstone, Lam s/p
53	-12	2.62	0.1	-	-	10.9	78.0	0.0	0.0	Sandstone, Lam s/p
54	5112-13	2.66	0.1	-	-	12.9	-62.0	0.0	0.0	Sandstone, Lam s/p
55	-14	2.63	0.1	-	-	11.1	62.2	3.1	0.0	Sandstone, Lam s/p
56	-15	2.62	<.1	-	-	15.0	68.0	7.7	0.0	Sandstone, Lam s/p
57	5115-16	2.63	0.7	-	-	16.3	65.6	9.2	0.0	Sandstone, Lam s/p
58	-17	2.61	1.0	-	-	15.9	64.8	9.4	0.0	Sandstone, Lam s/p
59	-18	2.62	0.9	-	-	16.6	61.4	11.5	0.0	Sandstone, Lam s/p
60	5118-19	2.62	0.9	-	-	16.3	62.6	11.7	0.0	Sandstone, Lam s/p

CORE #2: 5119-5179, 60' Cut & 60' Rec.

61	5119-20	2.63	1.8	-	-	19.4	56.7	39.7	80	Sandstone, Shaly
62	-21	2.63	TBFA	-	-	20.0	55.0	39.5	100	Sandstone, Shaly
63	-22	2.63	2.3	-	-	19.1	51.6	42.5	60	Sandstone, Shaly
64	5122-23	2.63	1.7	-	-	19.5	52.4	41.7	40	Sandstone, Shaly
65	-24	2.63	1.1	-	-	19.3	67.4	17.6	0.0	Sandstone, Shaly
66	-25	2.64	0.9	-	-	25.2	51.6	10.7	0.0	Sandstone, Shaly
67	5125-26	2.64	1.2	-	-	18.9	63.5	12.7	0.0	Sandstone, Shaly
68	-27	2.64	0.8	-	-	18.5	75.7	0.0	0.0	Sandstone, Shaly
69	-28	2.63	1.2	-	-	18.9	68.8	12.2	50	Sandstone, Shaly
70	5128-29	2.64	0.8	-	-	18.4	70.7	0.0	0.0	Sandstone, Shaly
71	-30	2.64	0.9	-	-	17.0	70.9	0.0	0.0	Sandstone, Shaly
72	-31	2.64	0.2	-	-	16.8	71.4	0.0	0.0	Sandstone, Shaly
73	5131-32	2.64	0.3	-	-	17.6	73.9	0.0	0.0	Sandstone, Shaly

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SAMPLE	DEPTH	GRAIN DENSITY	PERM. MAX.	PERM. 90%	VERT. PERM.	POROSITY %	FLUIDS SM % P.V.	FLUIDS SG % P.V.	OIL FLOR.	LITHOLOGICAL DESCRIPTION
74	5132-33	2.64	0.2	-	-	16.4	67.1	0.0	0.0	Sandstone, Shaly
75	-34	2.63	0.3	-	-	19.8	70.7	0.0	0.0	Sandstone
76	-35	2.63	0.4	-	-	19.8	75.6	0.0	0.0	Sandstone
77	5135-36	2.64	0.3	-	-	17.9	67.0	0.0	0.0	Sandstone
78	-37	2.63	0.2	-	-	16.1	68.3	0.0	0.0	Sandstone
79	-38	2.62	0.2	-	-	16.2	74.1	0.0	0.0	Sandstone
80	5130-39	2.64	0.1	-	-	15.0	60.0	0.0	0.0	Sandstone
81	-40	2.66	0.2	-	-	15.3	58.3	0.0	0.0	Sandstone, Shaly
82	-41	2.66	0.2	-	-	16.0	56.3	0.0	0.0	Sandstone, Shaly
83	5141-42	2.65	0.3	-	-	16.2	55.6	0.0	0.0	Sandstone, Shaly
84	-43	2.65	0.2	-	-	15.8	50.6	0.0	0.0	Sandstone, Shaly
85	-44	2.66	0.1	-	-	14.1	64.5	0.0	0.0	Sandstone, Lam s/p
86	5144-45	2.65	0.2	-	-	15.2	56.6	0.0	0.0	Sandstone, Lam s/p
87	-46	2.66	0.2	-	-	15.4	57.1	0.0	0.0	Sandstone, Shaly
88	-47	2.65	0.2	-	-	15.5	64.5	0.0	0.0	Sandstone, Lam s/p
89	5147-48	2.65	0.3	-	-	15.9	61.6	0.0	0.0	Sandstone, Lam s/p
90	-49	2.66	0.4	-	-	17.2	55.2	0.0	0.0	Sandstone, Lam s/p
91	5150-51	2.64	0.4	-	-	17.1	66.1	0.0	0.0	Sandstone, Lam s/p
92	-50	2.65	0.5	-	-	16.5	59.4	0.0	0.0	Sandstone, Lam s/p
93	5150-51	2.65	0.2	-	-	15.5	63.2	0.0	0.0	Sandstone, Lam s/p
94	-52	2.64	0.2	-	-	17.5	66.3	0.0	0.0	Sandstone, Lam s/p
95	5153-54	2.64	0.5	-	-	18.4	63.6	0.0	0.0	Sandstone, Lam s/p
96	-55	2.64	0.5	-	-	17.0	60.6	0.0	0.0	Sandstone, Lam s/p
97	-56	2.63	0.3	-	-	18.2	61.0	0.0	0.0	Sandstone, Lam s/p
98	5156-57	2.64	0.4	-	-	18.4	65.8	0.0	0.0	Sandstone, Lam s/p
99	-58	2.65	0.4	-	-	16.0	63.8	0.0	0.0	Sandstone, Lam s/p
100	-59	2.63	0.4	-	-	19.1	64.9	0.0	0.0	Sandstone, Lam s/p
101	5159-60	2.64	0.2	-	-	15.3	64.0	0.0	0.0	Sandstone, Lam s/p

BELL PETROLEUM LABORATORIES
X 2988 • 24 HOUR PHONE 915/
MIDLAND, TEXAS 79702

DATE: August 23, 1982
ANALYST: Grazier
TYPE ANALYSIS: Conventional
with Dean-Stark

[illegible]

Well Chambers Fed. 3 1/2 1

Loc. Sec. 3-T26S-R33E 1980' FWL & 1980' FWL Lea County, New Mexico

Operator J. A. Leonard Co.

Driller Marc Drilling, Inc.

The undersigned, being duly sworn, depose and say that he is a representative of the
drilling device that he has connected

Depth	Time	Rate	Time	Time	Time
1/4	350	4 3/4	3746	4 1/2	4855
1	1003	5	3796	3 3/4	4749
1	1515	4 1/2	3827	3 1/2	5055
1 1	2008	4 1/2	3858		
3	2823	4 1/2	3931		
3	2980	5	3983		
3 1/4	3146	4 1/2	4079		
3 1/4	3359	4 1/2	4110		
4	3520	4 1/4	4204		
4	3590	4 1/4	4277		
4	3620	4 1/2	4455		
4 1/2	3683	4 3/4	4560		

Drilling Contractor Marc Drilling, Inc.

BY [Signature] Pres.

Subscribed and sworn to before me this 25th day of August 19 82

My comm. expires 12-20-84

[Signature]
Notary Public