

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

Box 460 Hobbs, N. M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1980' FNL & 660 FEL of Sec. 1

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

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

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6860'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

9-27-73

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	20#	1200'	Circ. 600 Sx
7 7/8"	5 1/2"	14 & 15.5#	6860	550 Sx - Sufficient to fill base salt.

It is proposed to drill a straight hole to 6860' and complete as a Blinbry-Drinkard producer. Mud Program (0-1200' - 8.5-9.5; Spud mud) and 1200'-6860' (9.5-10.0# salt gel). Rig layout will be furnished when drlg. contractor is selected.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Sr. Analyst DATE 9-10-73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

SEP 17 1973

ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

11545 (6) NMFU (4) File

Surface will be levelled and properly conditioned.

12. Other information that may be used in evaluating the impact on environment

The terrain in this area is generally flat with very little vegetation. No streams or other major water sheds are located in this area.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

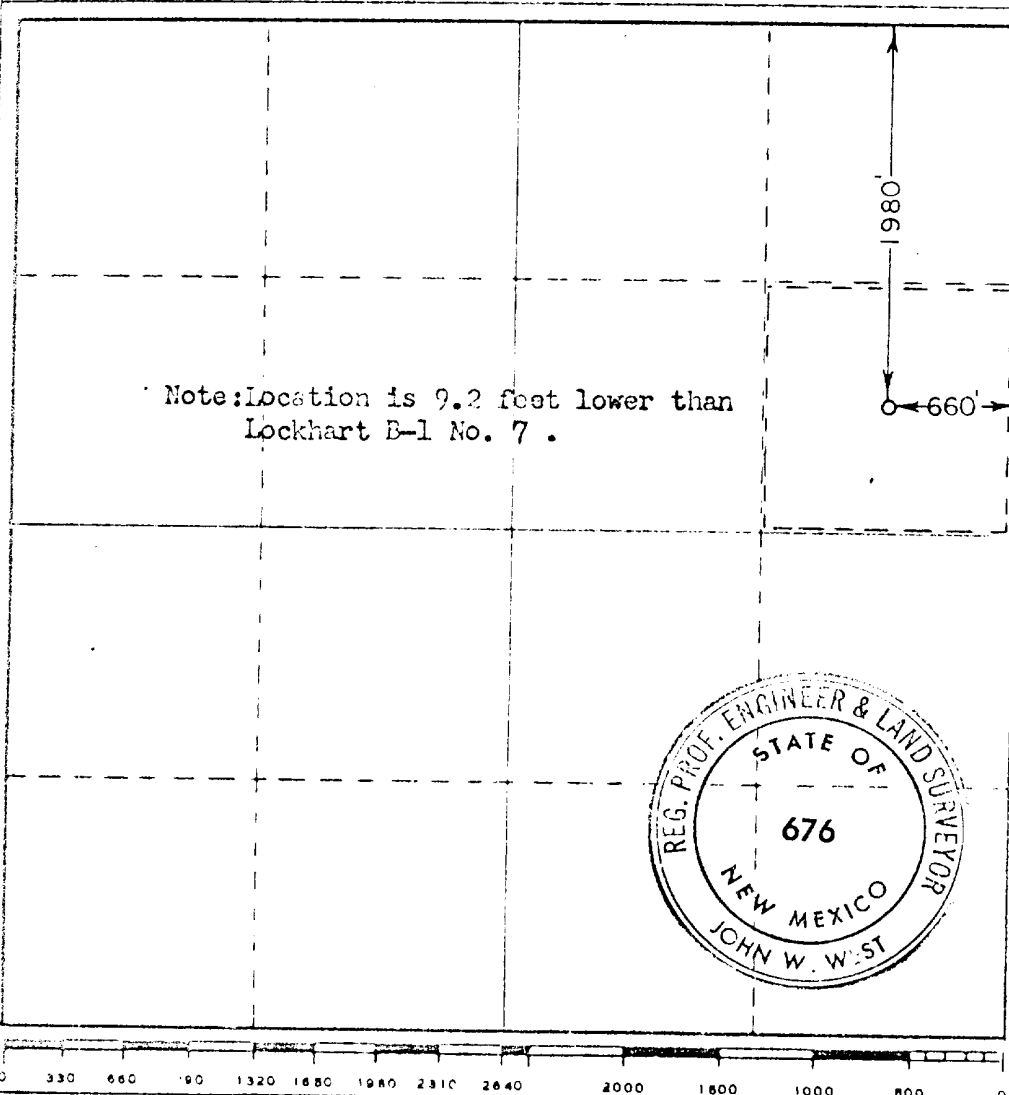
OWNER CONTINENTAL OIL COMPANY			LEASE LOCKHART B-1		WELL NO. 8
Tract Letter H	Section 1	Township 22 South	Range 36 East	County Lea	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line					
Ground Level Elev.	Producing Formation Blueberry-Drinkard		Pay Blueberry-Drinkard		Dedicated Acreage 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

John W. West
Sr. Analyst
Continental Oil Co.
September 10, 1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief

Date Surveyed

August 25, 1973

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. 676

Surface will be levelled and properly conditioned.

12. Other information that may be used in evaluating the impact on environment

The terrain in this area is generally flat with very little vegetation. No streams or other major water sheds are located in this area.

Pool ARROWHEAD GRAYBURG
BLINEBRY-Oil-&-GAS Operator ~~Geneco~~-Inc. Chevron USA Inc.

Lease Arrowhead Grayburg Ut.
Lockhart-B-1

Lease Lockhart-B-1 Well No. 8 161 Unit H S 1 T 22 R 36

[illegible]

Pool BLINEBRY OIL & GASOperator ~~Continental Oil Co.~~ Conoco Inc.Lease Lockhart B-1Well No. 3 Unit H S 1 T 22 R 36

DATE OF TEST	4	Daily Allowable	PRODUCED DURING TEST			Gas-Oil Ratio	Packer Leakage Field
			Water, Bbls.	Oil, Bbls.	Gas, MCF		
4-5-74	24	-	44	2.5	10.5	44.4	
4-11-74	24	18	36	2	4.9	4500	
8-11-75	24	20	1	12	4.9	3661	
9-2-76	24	12				18	
8-8-77	24	11	69	4	21	5250	
8-24-77	24	4	1	11	17.4	3684	
10-2-77	24	4	(92) 2.5	15	20.7	13800	
3-10-78	24	34	3	6	36	600	
7-10-78	24			1		3000	
2-8-79	24	-	11	6	48	3000	
7-17-79	24	12	6	5	49	4384	
2-5-80	24	13	1	4	26	2663	
9-23-80	24	5	28	3	48	4364	
3-5-81	24	8	308	5	34	2125	
7-5-81	24	5.1					
1-23-82	24	8	15	2	32	64	
2-11-82	24	8	2	1	4	276	
2-18-82	24						
2-18-84	24	-	1	1	16	5000	
3-15-84	24	-	3.2	2	11	2333	
8-12-85	24	5		0	25	723	

Pool DRINKARD Operator Conoco Inc.

Operator Conoco Inc.

Lease Lockhart B-1Well No. 8Unit H
$$S = \frac{1}{\dots}$$
T 22R 36

DATE OF TEST	Daily Allowable	PRODUCED DURING TEST			Gas-Oil Ratio	Packer Leakage Field	
		Water, Bbls.	Oil, Bbls.	Gas, MCF			
2-1-86	24	—	287	13	21	2333	11-11-1
2-4-86	24	—	300	0	21	5133	11-11-1
2-9-86	24	—	295	6	21	5375	11-11-1
2-15-86	24	—	275	1	21	5120	11-11-1
2-22-86	24	—	275	1	21	5120	11-11-1
2-29-86	24	—	275	1	21	5120	11-11-1
3-6-86	24	—	275	1	21	5120	11-11-1
3-13-86	24	—	275	1	21	5120	11-11-1
3-20-86	24	—	275	1	21	5120	11-11-1
3-27-86	24	—	275	1	21	5120	11-11-1
3-31-86	24	—	275	1	21	5120	11-11-1
4-7-86	24	—	275	1	21	5120	11-11-1
4-14-86	24	—	275	1	21	5120	11-11-1
4-21-86	24	—	275	1	21	5120	11-11-1
4-28-86	24	—	275	1	21	5120	11-11-1
5-5-86	24	—	275	1	21	5120	11-11-1
5-12-86	24	—	275	1	21	5120	11-11-1
5-19-86	24	—	275	1	21	5120	11-11-1
5-26-86	24	—	275	1	21	5120	11-11-1
6-2-86	24	—	275	1	21	5120	11-11-1
6-9-86	24	—	275	1	21	5120	11-11-1
6-16-86	24	—	275	1	21	5120	11-11-1
6-23-86	24	—	275	1	21	5120	11-11-1
6-30-86	24	—	275	1	21	5120	11-11-1
7-7-86	24	—	275	1	21	5120	11-11-1
7-14-86	24	—	275	1	21	5120	11-11-1
7-21-86	24	—	275	1	21	5120	11-11-1
7-28-86	24	—	275	1	21	5120	11-11-1
8-4-86	24	—	275	1	21	5120	11-11-1
8-11-86	24	—	275	1	21	5120	11-11-1
8-18-86	24	—	275	1	21	5120	11-11-1
8-25-86	24	—	275	1	21	5120	11-11-1
9-1-86	24	—	275	1	21	5120	11-11-1
9-8-86	24	—	275	1	21	5120	11-11-1
9-15-86	24	—	275	1	21	5120	11-11-1
9-22-86	24	—	275	1	21	5120	11-11-1
9-29-86	24	—	275	1	21	5120	11-11-1
10-6-86	24	—	275	1	21	5120	11-11-1
10-13-86	24	—	275	1	21	5120	11-11-1
10-20-86	24	—	275	1	21	5120	11-11-1
10-27-86	24	—	275	1	21	5120	11-11-1
11-3-86	24	—	275	1	21	5120	11-11-1
11-10-86	24	—	275	1	21	5120	11-11-1
11-17-86	24	—	275	1	21	5120	11-11-1
11-24-86	24	—	275	1	21	5120	11-11-1
12-1-86	24	—	275	1	21	5120	11-11-1
12-8-86	24	—	275	1	21	5120	11-11-1
12-15-86	24	—	275	1	21	5120	11-11-1
12-22-86	24	—	275	1	21	5120	11-11-1
12-29-86	24	—	275	1	21	5120	11-11-1
1-5-87	24	—	275	1	21	5120	11-11-1
1-12-87	24	—	275	1	21	5120	11-11-1
1-19-87	24	—	275	1	21	5120	11-11-1
1-26-87	24	—	275	1	21	5120	11-11-1
2-2-87	24	—	275	1	21	5120	11-11-1
2-9-87	24	—	275	1	21	5120	11-11-1
2-16-87	24	—	275	1	21	5120	11-11-1
2-23-87	24	—	275	1	21	5120	11-11-1
2-28-87	24	—	275	1	21	5120	11-11-1
3-6-87	24	—	275	1	21	5120	11-11-1
3-13-87	24	—	275	1	21	5120	11-11-1
3-20-87	24	—	275	1	21	5120	11-11-1
3-27-87	24	—	275	1	21	5120	11-11-1
4-3-87	24	—	275	1	21	5120	11-11-1
4-10-87	24	—	275	1	21	5120	11-11-1
4-17-87	24	—	275	1	21	5120	11-11-1
4-24-87	24	—	275	1	21	5120	11-11-1
4-30-87	24	—	275	1	21	5120	11-11-1
5-7-87	24	—	275	1	21	5120	11-11-1
5-14-87	24	—	275	1	21	5120	11-11-1
5-21-87	24	—	275	1	21	5120	11-11-1
5-28-87	24	—	275	1	21	5120	11-11-1
6-4-87	24	—	275	1	21	5120	11-11-1
6-11-87	24	—	275	1	21	5120	11-11-1
6-18-87	24	—	275	1	21	5120	11-11-1
6-25-87	24	—	275	1	21	5120	11-11-1
7-2-87	24	—	275	1	21	5120	11-11-1
7-9-87	24	—	275	1	21	5120	11-11-1
7-16-87	24	—	275	1	21	5120	11-11-1
7-23-87	24	—	275	1	21	5120	11-11-1
7-30-87	24	—	275	1	21	5120	11-11-1
8-6-87	24	—	275	1	21	5120	11-11-1
8-13-87	24	—	275	1	21	5120	11-11-1
8-20-87	24	—	275	1	21	5120	11-11-1
8-27-87	24	—	275	1	21	5120	11-11-1
9-3-87	24	—	275	1	21	5120	11-11-1
9-10-87	24	—	275	1	21	5120	11-11-1
9-17-87	24	—	275	1	21	5120	11-11-1
9-24-87	24	—	275	1	21	5120	11-11-1
9-30-87	24	—	275	1	21	5120	11-11-1
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10-14-87	24	—	275	1	21	5120	11-11-1
10-21-87	24	—	275	1	21	5120	11-11-1
10-28-87	24	—	275	1	21	5120	11-11-1
11-4-87	24	—	275	1	21	5120	11-11-1
11-11-87	24	—	275	1	21	5120	11-11-1
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12-9-87	24	—	275	1	21	5120	11-11-1
12-16-87	24	—	275	1	21	5120	11-11-1
12-23-87	24	—	275	1	21	5120	11-11-1
12-30-87	24	—	275	1	21	5120	11-11-1
1-6-88	24	—	275	1	21	5120	11-11-1
1-13-88	24	—	275	1	21	5120	11-11-1
1-20-88	24	—	275	1	21	5120	11-11-1
1-27-88	24	—	275	1	21	5120	11-11-1
2-3-88	24	—	275	1	21	5120	11-11-1
2-10-88	24	—	275	1	21	5120	11-11-1
2-17-88	24	—	275	1	21	5120	11-11-1
2-24-88	24	—	275	1	21	5120	11-11-1
2-28-88	24	—	275	1	21	5120	11-11-1
3-6-88	24	—	275	1	21	5120	11-11-1
3-13-88	24	—	275	1	21	5120	11-11-1
3-20-88	24	—	275	1	21	5120	11-11-1
3-27-88	24	—	275	1	21	5120	11-11-1
4-3-88	24	—	275	1	21	5120	11-11-1
4-10-88	24	—	275	1	21	5120	11-11-1
4-17-88	24	—	275	1	21	5120	11-11-1
4-24-88	24	—	275	1	21	5120	11-11-1
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5-28-88	24	—	275	1	21	5120	11-11-1
6-4-88	24	—	275	1	21	5120	11-11-1
6-11-88	24	—	275	1	21	5120	11-11-1
6-18-88	24	—	275	1	21	5120	11-11-1
6-25-88	24	—	275	1	21	5120	11-11-1
7-2-88	24	—	275	1	21	5120	11-11-1
7-9-88	24	—	275	1	21	5120	11-11-1
7-16-88	24	—	275	1	21	5120	11-11-1
7-23-88	24	—	275	1	21	5120	11-11-1
7-30-88	24	—	275	1	21	5120	11-11-1
8-6-88	24	—	275	1	21	5120	11-11-1
8-13-88	24	—	275	1	21	5120	11-11-1
8-20-88	24	—	275	1	21	5120	11-11-1
8-27-88	24	—	275	1	21	5120	11-11-1
9-3-88	24	—	275	1	21	5120	11-11-1
9-10-88	24	—	275	1	21	5120	11-11-1
9-17-88	24	—	275	1	21	5120	11-11-1
9-24-88	24	—	275	1	21	5120	11-11-1
9-30-88	24	—	275	1	21	5120	11-11-1
10-7-88	24	—	275	1	21	5120	11-11-1
10-14-88	24	—	275	1	21	5120	11-11-1
10-21-88	24	—	275	1	21	5120	11-11-1
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11-4-88	24	—	275	1	21	5120	11-11-1
11-11-88	24	—	275	1	21	5120	11-11-1
11-18-88	24	—	275	1	21	5120	11-11-1
11-25-88	24	—	275	1	21	5120	11-11-1
12-2-88	24	—	275	1	21	5120	11-11-1
12-9-88	24	—	275	1	21	5120	11-11-1
12-16-88	24	—	275	1	21	5120	11-11-1
12-23-88	24	—	275	1	21	5120	11-11-1
12-30-88	24	—	275	1	21	5120	11-11-1
1-6-89	24	—	275	1	21	5120	11-11-1
1-13-89	24	—	275	1	21	5120	11-11-1
1-20-89	24	—	275	1	21	5120	11-11-1
1-27-89	24	—	275	1	21	5120	11-11-1
2-3-89	24	—	275	1	21	5120	11-11-1
2-10-89	24	—	275	1	21	5120	11-11-1
2-17-89	24	—	275	1	21	5120	11-11-1
2-24-89	24	—	275	1	21	5120	11-11-1
2-28-89	24	—	275	1	21	5120	11-11-1
3-6-89	24	—	275	1	21	5120	11-11-1
3-13-89	24	—	275	1	21	5120	11-11-1
3-20-89	24	—	275	1	21	5120	11-11-1
3-27-89	24	—	275	1	21	5120	11-11-1
4-3-89	24	—	275	1	21	5120	11-11-1
4-10-89	24	—	275	1	21	5120	11-11-1
4-17-89	24	—	275	1	21	5120	11-11-1
4-24-89	24	—	275	1	21	5120	11-11-1
4-30-89							

Pool DRINKARDOperator Continental Oil Co. Conoco Inc.Lease Lockhart B-1Well No. 8 Unit H S 1 T 22 R 36

DATE OF TEST 1	Daily Allowable	PRODUCED DURING TEST			Gas-Oil Ratio	Facker Leakage Field
		Water, Bbls.	Oil, Bbls.	Gas, MCF		
2-1-74	24	65	13	65	240	4823
4-5-74	24	14	28	106	1827	
4-25-76	24	52	17	24	1412	
3-8-77	24	14	9	22	2444	
7-24-77	24	14	27	140	3634	
8-2-77	24	4	37	483	14206	
3-16-78	24	1	17	22	2769	
7-8-79	24	15	13	19	1762	
7-17-79	24	6	13	79	4389	
8-15-80	24	1	1	24	24	
3-5-81	24	8	1	43	5354	
7-5-82	24	8	3	32	2769	
7-21-82	24	8	8	15	2769	
7-28-82	24	1	1	15	2769	
5-5-84	24	1	1	15	2313	
7-28-85	24	1	1	45	5000	