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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65 *30-12-73946*

5A. Indicate Type of Lease	
STATE ☒	FEE ☐
5. State Oil & Gas Lease No. B-5659	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		7. Unit Agreement Name	
2. Name of Operator H. L. Brown, Jr.		8. Farm or Lease Name State "B"	
3. Address of Operator 309 Midland Tower, Midland, Texas 79701		9. Well No. 1	
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>860</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>6</u> TWP. <u>17S</u> RGE. <u>34 E</u> NMPM		10. Field Name UNDESIGNATED Vacuum, Wolfcamp, NW	
		12. County Lea	
		19. Proposed Depth 11,200	
		19A. Formation Wolfcamp	
		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4122.0' GL		21A. Kind & Status Plug. Bond Active	
		21B. Drilling Contractor Cactus	
		22. Approx. Date Work will start 11-26-71	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11-3/4"	42#	350'	300	Circulate
11"	8-5/8"	24# & 32#	4,750'	250	3900'
7-7/8"	5-1/2"	17#	11,200'	300	9500'

THE COMMISSIONER HAS NOTED
24 NOVEMBER 1971
CASING.

2-24-72

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed B. D. Baker Title Petroleum Engineer Date November 22, 1971

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE NOV 24 1971

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 23 1971

OIL CONSERVATION COMM.
HOBBS, N. M.

COUNTY LEA FIELD Vacuum, NW. STATE NM 30-025-23946

OPR BROWN, H. L., JR. MAP

1 State "B"

Sec 6, T-17-S, R-34-E CO-ORD

2310' FSL, 860' FEL of Sec

Spd 11-22-71

CLASS	EL	
	FORMATION	DATUM
Cmp 1-22-72		
CSG & SX - TUBING		
11 3/4" at 345' w/400 sx		
8 5/8" at 4665' w/250 sx		
4 1/2" at 11,065' w/300 sx		
LOGS EL GR RA IND HC A		
	TD 11,065';	PBD 11,010'

IP (Wolfcamp) Perfs 10,754-954' P 100 BOPD + 44 BLW. Pot based on 24 hr test. GOR 2040; Grav 41

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CONT. Cactus PROP DEPTH 11,200' TYPE RI

DATE

F.R. 11-30-71; Opr's Elev. 4122' GL

PD 11,200' RT (Wolfcamp)

Contractor - Cactus

11-30-71 Drlg. 4100' lm

12-8-71 Drlg. 5530' lm

12-13-71 Drlg. 7400'

12-21-71 Drlg. 9305' lm

1-3-72 TD 11,065'; Prep Perf

DST 10,890-990', open 4 hrs 30 mins (1000' WB),

GTS 48 mins @ TSTM & inc to 72 MCFCPD in 3 hrs

45 mins @ stab @ 69 MCFCPD, rev out 8190' GIDP

+ 5.8 BO&GCM + 14 B oil (Grav 40) + 10 B O&GCWB,

rec 60' sli O&GCDM below sub, 1 hr ISIP 3347#,

FP 508-970#, 6 hr FSIP 3347#, HP 5121-5077#,

BH Temp 148 deg

1-11-72 TD 11,065'; Drlg. Cmt
1-18-72 TD 11,065'; PBD 11,010'; Prep Perf
1-24-72 TD 11,065'; PBD 11,010'; Swbg
Perf 10,754-762', 10,896-900', 10,907-911',
10,932-946', 10,948-954' w/1 SPF
Acid (10,754-954') 3000 gals
Swbd 10 BO + 60 BL&AW in 6 hrs (10,754-954')
Acid (10,896-954') 2500 gals
Swbd 27 BO + 12 BLW in 8 hrs 30 mins
2-1-72 TD 11,065'; PBD 11,010'; MI Completion Unit
Acid (10,754-954') 10,000 gals
Swbd 200 BF (40-50% oil) in 24 hrs (10,754-954')
2-7-72 TD 11,065'; PBD 10,850'; Rng Tubing
BP @ 10,850'

2-7-72 Continued
Sqzd (10,754-762') w/200 sx
Drilled Out to 10,850'
Perf 10,754-762' w/1 SPF
2-14-72 TD 11,065'; PBD 11,010'; Prep RU Pmp
Acid (10,754-762') 2500 gals
Swbd 5 BO + 10 BLW in 5 hrs (10,754-762')
Acid (10,754-762') 5000 gals
Pulled BP @ 10,850'
2-22-72 TD 11,065'; PBD 11,010'; WO Electricity
2-29-72 TD 11,065'; PBD 11,010'; TO Pmp
Ppd 100 BO + 44 BLW in 24 hrs (10,754-954')
3-6-72 TD 11,065'; PBD 11,010'; COMPLETE
SAMPLE TOP: San Andres 4614' (-475')
LOG TOPS: Anhydrite 1535', Yates 2800', San
Andres 4610', Glorieta 6020', Abo 8100',

LEA Vacuum, NW. NM Sec 6,T17S,R34E
BEOWN, H. L., JR. 1 State "B" Page #3

3-6-72 Continued
Wolfcamp 9838', Kemnitz 10,803 '
3-11-72 COMPLETION REPORTED

COUNTY	LEA	FIELD	Vacuum	STATE	NM
OPR	BROWN, H. L., JR.			API	30-025-23946
NO.	1	LEASE	State "B"	SERIAL	OWWO
	Sec 6, T-17-S, R-34-E			MAP	
	2310' FSL, 860' FEL of Sec			CO-ORD	

Re- SPD 11-15-73 CSG		CLASS	ELEV.	L & S
Re- MP 12-6-73		FORMATION	DATUM	FORMATION
		DATUM		
11 3/4" at 345' w/400 sx				
8 5/8" at 4665' w/250 sx				
4 1/2" at 11,065' w/300 sx				
TD 11,065'		PBD 4657'		

IP (Grayburg-San Andres) Perfs 4643-4651' P 5 1/2 BOPD. Pot based on 24 hr test. GOR TSTM; Grav 34

CONTR	OPRS ELEV	4139'	KB	PD	4657'	TYPE	WO
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F.R.C. 1-5-74
(Grayburg-San Andres)
(Orig. comp 1-22-72 thru (Wolfcamp)
Perfs 10,754-954', OTD 11,065', OPB 11,010')
12-31-73 TD 11,065'; PBD 4657'; COMPLETE
Pulled 4 1/2" csg
PS to 4657'
Sgzd OH & 8 5/8" csg w/75 sx
Perf 4643-51' w/16 shots (overall)
Acid (4643-51') 1000 gals
Frac (4643-51') 12,000 gals + 10,000# sd
1-5-74 COMPLETION REPORTED