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LAND OFFICE	
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NEW MEXICO OIL CONSERVATION COMMISSION
 O+6-NMOCD, P. O. Box 1980 1-Foreman
 Hobbs, NM 88240 C.Musslewhite
 1-Midland/Admin. Unit/Mr. J.A.1-File
 1-Engr. BOTES
 1-Laura Richardson/Midland

Form C-101
 Revised 14-85

5A. Indicate Type of Lease STATE ☐ FEE ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Name of Lease Owner
B. A. Christmas - Cowden
9. Well No.
1
10. Field and Pool, or Wildcat
Drinkard Paddock
11. County
Lea
12. Proposed Depth
±5465'
19A. Formation
Paddock
20. Rotary or C.T.
Pulling Unit
21. Elevation (show whether PL, RL, etc.)
3441' D.F.
21A. Kind & Status Plug Bond
--
21B. Drilling Contractor
--
22. Approx. Date Work will start
--

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 ☐
2. Name of Operator	Getty Oil Company		
3. Address of Operator	P. O. Box 730, Hobbs, NM 88240		
4. Location of Well	UNIT LETTER H LOCATED 220 FEET FROM THE north LINE		
AND 880 FEET FROM THE east LINE OF SEC. 5 TWP. 22S RGE. 37E NMPM			
18. Proposed Depth	±5465'		
19A. Formation	Paddock		
20. Rotary or C.T.	Pulling Unit		
21. Elevation (show whether PL, RL, etc.)	3441' D.F.		
21A. Kind & Status Plug Bond	--		
21B. Drilling Contractor	--		
22. Approx. Date Work will start	--		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	46	150	150	surface
11 3/4	8 5/8	32	2886	1500	surface
7 7/8	5 1/2	15.5	6476	300	2000'

1. Rig up pulling unit. Install BOP.
2. Pull rods, pump, and 2 3/8" tbg.
3. GIH with RBP and packer on 2 3/8" tbg.
4. Set RBP at ±6300'.
5. Set packer at ±3350'.
6. Pressure up on tubing and check 5 1/2" casing for casing holes.
7. a) If no holes are found, unseat packer, retrieve RBP and POH with 2 3/8" tbg.
b) If holes are found in 5 1/2" csg., isolate and squeeze as necessary.
8. Rig up wireline unit.
9. Set CIBP at ±5610'. POH.
10. GIH with 4" casing gun, perforate with 1 spf the Paddock pay in the following intervals:
 5166, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78,
 5206, 07, 08, 09, 10, 16, 17, 18, 19, 20, 21, 22, 23, 24, 46, 49, 64, 65, 66, 72, 73, 74, 86, 87,
 88, 89, 90, 96, 97, 98, 99,
 5300, 28, 29, 30, 31, 32, 33, 34, 35, 36, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60
 (65 holes, total) (over)

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 Dale R. Crockett Title Area Superintendent Date February 1, 1984

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
 DISTRICT I SUPERVISOR

FEB 2 1984

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

PJS

11. POH with perforating guns.
12. GIH with dump bailer, dump 35' cement on CIBP at $\pm 5610'$, PBTD $\pm 5575'$. POH.
13. GIH with 2 3/8' workstring and packer.
14. Set packer at $\pm 5050'$.
15. Acidize the Paddock interval 5166'-5360' with 6500 gals. 15% HCl acid and 100 ball sealers.
16. Swab and evaluate. Prepare to frac.
17. Frac the Paddock interval 5166'-5360', 65 holes, with 39,000 gals. gelled 2% KCl, 30,000# 20/40 sand, 27,000# 12/20 sand, and 40 ball sealers in 3 stages.

1 stage being as follows:

- | | | | |
|---------------|---------------|-------|-------|
| a) 4,000 gals | pad | | |
| b) 3,000 gals | 3,000# | 20/40 | 1 ppg |
| c) 2,000 gals | 4,000# | 20/40 | 2 ppg |
| d) 1,000 gals | 3,000# | 20/40 | 3 ppg |
| e) 3,000 gals | 9,000# | 12/20 | 3 ppg |
| f) | drop 20 balls | | |

18. Flush to perf, 5166', with gelled 2% KCl (not cross linked).
19. SI well for 10-12 hours.
20. Open well and begin return of load.
21. Swab well and evaluate results.
22. Run pump, rods and tubing.
23. Return well to production.

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