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NEW MEXICO OIL CONSERVATION COMMISSION

30-031-20663

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL ☐ GAS WELL ☐ OTHER ☒ Injection 2. Name of Operator Tesoro Petroleum Corporation 3. Address of Operator 2000 First of Denver Plaza, Denver, CO 80202 4. Location of Well UNIT LETTER K LOCATED 2191 FEET FROM THE South LINE AND 1392 FEET FROM THE West LINE OF SEC. 1 TWP. 17N RGE. 9W NMPM 12. County McKinely		7. Unit Agreement Name 8. Firm or Lease Name Hospah-Seven Lakes Project 9. Well No. 2 10. Field and Pool, or Wildcat Hospah WC Meade 19. Proposed Depth 400' 19A. Formation Seven Lakes 20. Rotary or C.T. Rotary 21. Elevations (Show whether DE, RT, etc.) 6930' GR 21A. Kind & Status Plug. Bond NM Blanket 21B. Drilling Contractor Stewart Bros. Drilling 22. Approx. Date Work will start Feb. 18, 1981	
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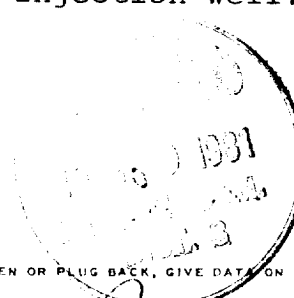
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	36#	40'	25	Surf.
8 3/4"	7"	20#	400'	75	Surf.

1. Drill 12 1/4" hole to 40', set 9 5/8" csg. and cmt. to surface.
2. Drill 8 3/4" hole to 300' with foam.
3. Cut 8 3/4" core hole (4" core) from 300-360' with stiff foam.
4. Continue drilling to 400' with 8 3/4" bit and foam.
5. Run Dual Induction Log and Formation Density - Sidewall Neutron - Gamma Ray Logs.
6. Run and set 7" csg. at 400 ft. and cement with 75 sxs.
7. Well will be completed as water injection well.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 8-9-81



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 [Signature] Title Asst. Dir. Mgr. Date 2/6/81

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE FEB 9 1981

CONDITIONS OF APPROVAL, IF ANY:

R-6557
NSC +
injection
project

All distances must be from the outer boundaries of the Section.

Operator TESORO PETROLEUM CORPORATION			Lease HOSPAH-SEVEN LAKES PROJECT		Well No. 2 K
Unit Letter K	Section 1	Township 17N	Range 9W	County McKinley	
Actual Footage Location of Well:					
2191 feet from the South line and		1392 feet from the West line			
Ground Level Elev: 6930	Producing Formation Mesaverde	Pool Wildcat	Dedicated Acreage: Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Unit

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.

Sec.		1	
1392'		2191'	

Scale: 1"=1000'

CERTIFICATION

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

William F. Parks
Name
Dist. Prod. Mgr.
Position
Tesoro Pet. Corp.
Company
3/13/81
Date

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
October 31, 1980
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Certificate No. 3950
B. KERR, JR.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

1a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

1b. TYPE OF WELL

OIL WELL ☐GAS WELL ☐DRY ☐OTHER ☒ Water Injector

7. Well Agreement Name

8. Farm or Lease Name

Hospah Seven Lakes

9. Well No.

2K

10. Field and Pool, or Wildcat

~~Hospah Field~~
Seven Lakes Sand *WCMU*

2. Name of Operator

Tesoro Petroleum Corp.

3. Address of Operator

2000 1st of Denver Plaza, Denver, CO 80202

4. Location of Well

UNIT LETTER K LOCATED 2191 FEET FROM THE South LINE AND 1392 FEET FROMWest LINE OF SEC. 1 TWP. 17N RGE. 9W NMPM

12. County

McKinley

15. Date Spudded 3/7/81 16. Date T.D. Reached 3/9/81 17. Date Compl. (Ready to Prod.) 10/15/81 18. Elevation (D.F., RKB, RT, GR, etc.) 6930' GR 19. Elev. Casinghead 6930' GR20. Total Depth 455' GL 21. Plug Back T.D. 416' 22. If Multiple Compl., How Many Single 23. Intervals Drilled By X Rotary Tools Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name

305-420' Seven Lakes Sand

25. Was Directional Survey Made

Inclination only

26. Type Electric and Other Logs Run

DIL-GR-SP & CNL-FDC-GR-CAL.

27. Was Well Cored

yes 310-370'

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	41'	12 1/4"	25 sks class "B" to surface	
7"	23#	450'	8 3/4"	85 sks RFC w/2% CaCl ₂	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2 3/8"	313	305' (top)

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

323-358' (35'), 0.43" OD @ 2 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
359-353'	250 g 15% HCl 1000g 15% HF, 250g 15% HCl
353-347'	" " " "
347-341'	" " " "
341-335'	" " " "

33. PRODUCTION 335-329', 329-323'

Date First Production 10/15/81 Production Method (Flowing, gas lift, pumping — Size and type pump) Water Injector Well Status (Prod. or Shut-in) Injecting

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

None

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED *[Signature]*

TITLE Production Engineer

DATE 10/27/81

This form is to be filled with the appropriate Checklist Office of the Division not later than 20 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electric and log data, including logs run in the well and necessary full speed logs conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple casing bottoms, items 10 through 14 shall be reported for each zone. The form is to be filed in triplicate except on state land, where only one copy is required. See Rule 1195.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 305 to 420	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
305'	420'	115'	Seven Lakes Sand				

