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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

**APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,**

**EXPIRES** 9-14-80

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 RE-ENTRY DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name Hospah Sand Unit
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Farm or Lease Name *Hospah Sand Unit
2. Name of Operator Tesoro Petroleum Corp.		9. Well No. 89
3. Address of Operator 2000 1st of Denver Plaza, 633 17th St., Denver, CO 80202		10. Field and Pool, or Wildcat Under Hospah Dakota
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>1900</u> FEET FROM THE <u>East</u> LINE AND <u>600</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>1</u> TWP. <u>17N</u> RGE. <u>9W</u> NMPM		12. County McKinley
21. Elevations (Show whether DF, RT, etc.) 6940' GR		19. Proposed Depth 3280'
21A. Kind & Status Plug. Bond NM Blanket		19A. Formation Dakota
21B. Drilling Contractor Tesoro Pulling Unit		20. Rotary or C.T. Rotary
22. Approx. Date Work will start 6/18/80		

23.

**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	84	219	150	surface
12 1/4	9 5/8	32-36	3317	325	2400'
8 3/4			7852		

\*Well was previously drilled as the Great Western No. 1 Hospah-SF

**Proposed work:**

1. Install 7" tbg. head w/stripping rubber on 13 3/8" csg.
2. Drill cement plugs @ surface and 275' and clean out casing to top of cement plug at the bottom of 9 5/8" csg. (3280').
3. Run GR-Neutron Log from 3280' to 1300'.
4. The exact procedure for repairing the pulled 9 5/8" csg. (278') will be decided after evaluation of log and re-entry data.

Note: See attached well schematic for present well conditions.

5. After repair of csg. we propose to attempt a completion in the Dakota "D" @ 2730' or the Lower Hospah @ 1610'.

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 Kenny J. Kallenberg Title District Engineer Date 6/13/80  
(This space for State Use)

APPROVED BY Frank J. Cherry TITLE SUPERVISOR DISTRICT # 9 DATE JUN 16 1980  
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT  
RE-ENTRY

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

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

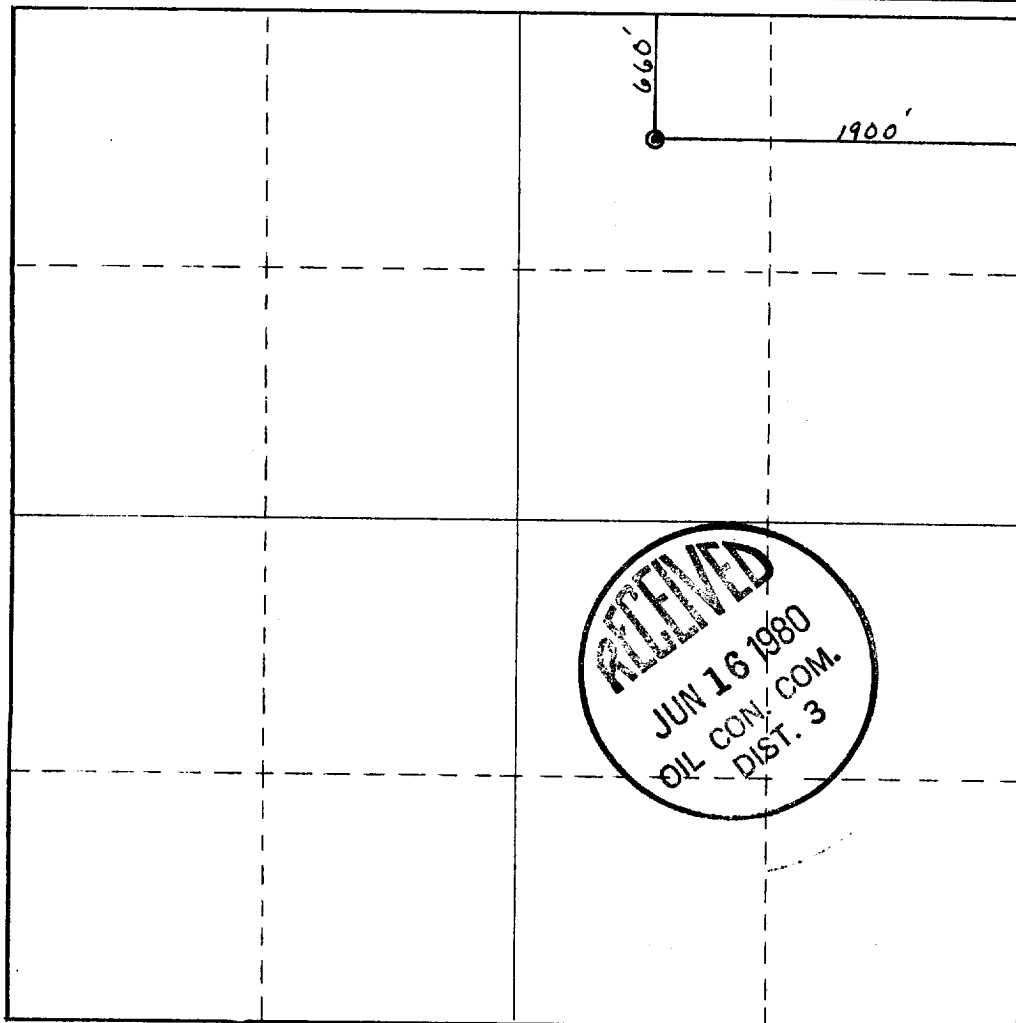
Operator <b>Tesoro Petroleum Corp.</b>			Lease <b>Hospah Sand Unit</b>		Well No. <b>89</b>
Unit Letter <b>B</b>	Section <b>1</b>	Township <b>17N</b>	Range <b>9W</b>	County <b>McKinley</b>	
Actual Future Location of Well: <b>1900</b> feet from the <b>east</b> line and <b>660</b> feet from the <b>north</b> line					
Ground Level Elev. <b>6940'</b>	Producing Formation <b>Dakota or Lower Hospah</b>		Pool <b>Dakota or L. Hospah</b>		Dedicated Acreage: <b>40</b> 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

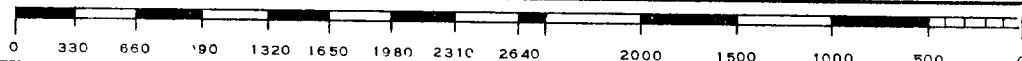
Name  
*Kang J. Kattenbach*  
Position  
**District Engineer**  
Company  
**Tesoro Petroleum Corp.**  
Date  
**June 13, 1980**

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

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



New Name: H50 #89

Well: Great Western Hospah S.F. #1  
Field: Hospah  
Location: NW/NE Sec 1 -T 17N -R 9W  
County: McKinley State: N.M.  
Zero Elevation: ft. (AGL) GL: 6940'  
TD: 7852' ft. PBTD: ft.

Wellhead: \_\_\_\_\_

Tubing String: \_\_\_\_\_

Centralizers: \_\_\_\_\_

13 3/8" OD 84 LB GR. THRD.  
@ 219 FT. w/ 150 SX ( FT<sup>3</sup>) cmt.  
in 17 1/2" hole (CMT. CLASS-ADDITIVES:  
T.O.C. @ surface BY: \_\_\_\_\_

← 41' of 12 1/4" open hole

← 10 SK plug set from 275' to 260'

← 9 5/8" CSG. shot off @ 278' and pulled

← CSG. possibly shot @ 1400'

← Cement top @ approx 2400'

9 5/8" OD <sup>36#</sup> 32-36 LB J-55 GR 8 Rd. THRD.  
@ 3317 FT. w/ 325 SX ( FT<sup>3</sup>) cmt.  
in 12 1/4" HOLE (CMT. CLASS-ADDITIVES:  
T.O.C. @ 2400' BY: calculation

10 SK cement plug: 3314' - 3280'

10 SK cement plug: 3750' - 3720'

10 SK cement plug: 4800' - 4770'

10 SK cement plug: 5100' - 5070'

10 SK cement plug: 5500' - 4970'

10 SK cement plug: 7050' - 7020'

TD-7852'

UPDATED BY: KJK DATE: 5/22/80

P

30-031-05193

6-16-80

F. Loc. **660/N; 1900/E** Elev. **6940 GL** Spd. \_\_\_\_\_ Comp. \_\_\_\_\_ TD \_\_\_\_\_ PB \_\_\_\_\_Casing S. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Int. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Pr. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. T. \_\_\_\_\_ @ \_\_\_\_\_  
Csg. Perf. \_\_\_\_\_ Prod. Stim. \_\_\_\_\_T  
R  
A  
N  
S

I.P. \_\_\_\_\_ BO/D \_\_\_\_\_ MCF/D After \_\_\_\_\_ Hrs. \_\_\_\_\_ SICP \_\_\_\_\_ PSI After \_\_\_\_\_ Days GOR \_\_\_\_\_ Grav. \_\_\_\_\_ 1st Del. \_\_\_\_\_ s \_\_\_\_\_

TOPS

NITD

Well Log

TEST DATA

Kirtland		C-103	Plat	Schd.	PC	Q	PW	PD	D	Ref. No.
Fruitland		C-104	Electric Log							
Pictured Cliffs			C-122							
Cliff House		Ditr	Dfa							
Menefee		Datr	Dac							
Point Lookout		<b>Reentry of P&amp;A well formerly Great Western - Hospah Santa Fe #1 - Original card in well file</b>								
Mancos										
Gallup										
Sanostee										
Greenhorn										
Dakota										
Morrison										
Entrada										

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Dak Co. McK S 1 T 17NR 9W U B Oper. Tesoro Petroleum Corp Lse. Hospah Sand U No. 89