

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 67716	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Hanley Petroleum Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 415 W. Wall, Suite 1500, Midland, Texas 79701		8. FARM OR LEASE NAME Hanley 8 Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 730' FNL & 630' FWL At proposed prod. zone Wolfcamp		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 7 miles Southeast of Maljamar		10. FIELD AND POOL, OR WILDCAT Corbin (Wolfcamp) South	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 630'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T-18-S, R-33-E	
16. NO. OF ACRES IN LEASE 40		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		19. PROPOSED DEPTH 11,500	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START As soon as possible	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3930.6 GR		23. PROPOSED CASING AND CEMENTING PROGRAM	

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	H-40	ST&C	500' 400'	CIRCULATE
12-1/4	8-5/8	24# & 32#	J-55	ST&C	3100'	
7-7/8	5-1/2* *DV tool @	8000 17#	C-95 & N-80	LT&C	11500'	SEE STIPS.

Cement 13-3/8" csg w/400 sx Premium Plus cmt containing 2% CaCl2. Circulate to surface.

Cement 8-5/8" csg after fluid caliper with sufficient cement to circulate to surface; approximately 800 sx Halliburton Lite w/15# salt + 1/4# Flocele/sx + 200 sx Premium Plus cement w/2% CaCl2.

Cement 5-1/2" csg: 1st stage 850 sx 50-50 Poz-H containing .6 of 1% Halad-9 + 6# salt/sx.
2nd stage 1000 sx 50-50 Poz-H cement containing .6 of 1% Halad-9 + 6# salt/sx.

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 Greg Wilkes TITLE Engineer DATE May 13, 1991
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 5/24/91
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

MAY 3

1968

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

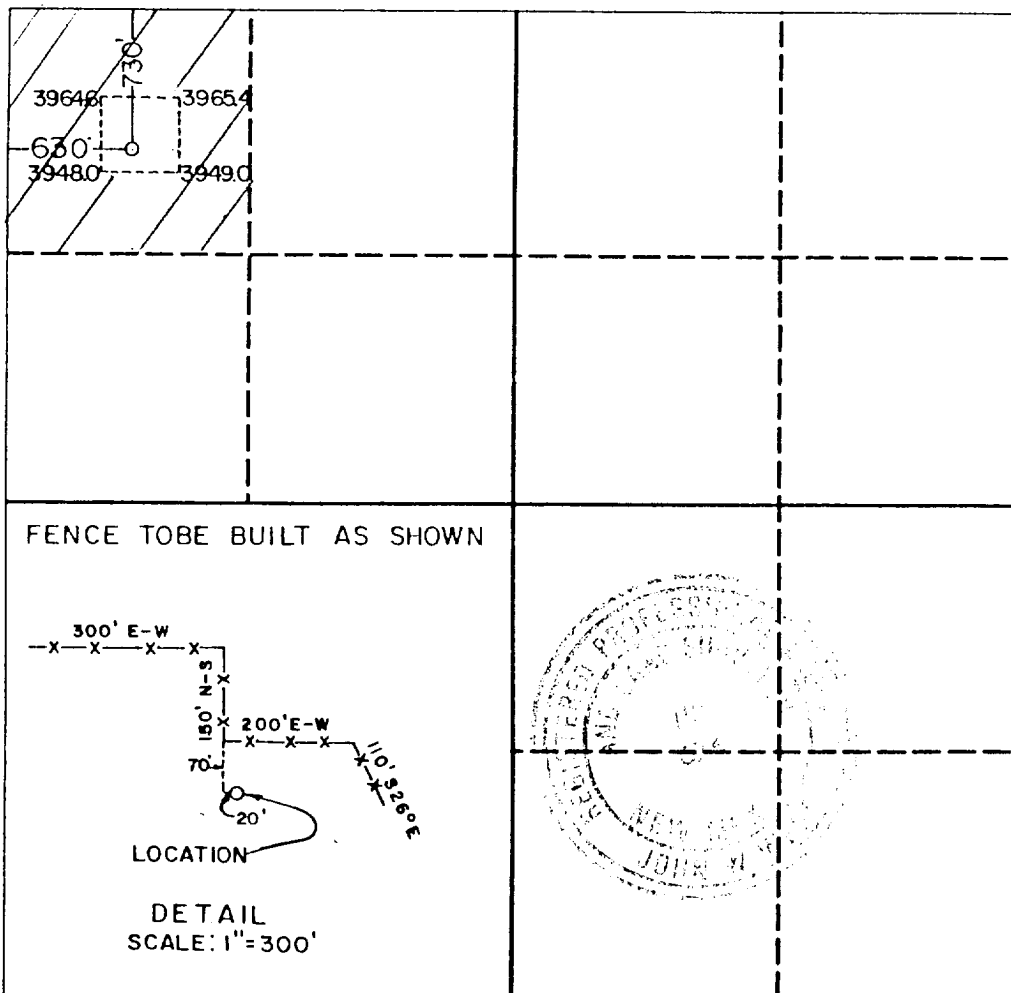
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Hanley Petroleum, Inc.			Lease Hanley & Federal 8		Well No. 1
Unit Letter D	Section 8	Township 18 South	Range 33 East	County NMPM	Lea

Actual Footage Location of Well: 730 feet from the North line and 630 feet from the West line					
Ground level Elev. 3930.6	Producing Formation WOLFCAMP		Pool CORBIN W.C. SOUTH	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 interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature Greg Wilkes
Printed Name Greg Wilkes
Position Engineer
Company Hanley Petroleum Inc.
Date May 13, 1991

SURVEYOR CERTIFICATION

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 April 25, 1991
Signature & Seal of Professional Surveyor John W. West
Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000

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MAY 30 1991

JOHN
HOABS OFFICE

Application For Drilling

Hanley Petroleum Inc.

Hanley 8 Federal No. 1.
730' FNL & 630' FWL
Section 8, T-18-S, R-32-E
Lea County, New Mexico

In conjunction with Form 3160-3, Application For Permit to Drill, Hanley Petroleum Inc. submits the following ten items of pertinent information in accordance with BLM Requirements:

1. The Geologic age of the surface formation is Quaternary.
2. The estimated tops of certain Geologic Markers are as follows:

Rustler	1446 (+2497)
Yates	2935 (+1008)
Queen	4180 (-237)
Grayburg	4700 (-757)
Delaware	5120 (-1177)
Bone Spring	6481 (-2538)
Wolfcamp	9854 (-5911)
3. The estimated depths at which oil, water or gas are expected to be encountered are:

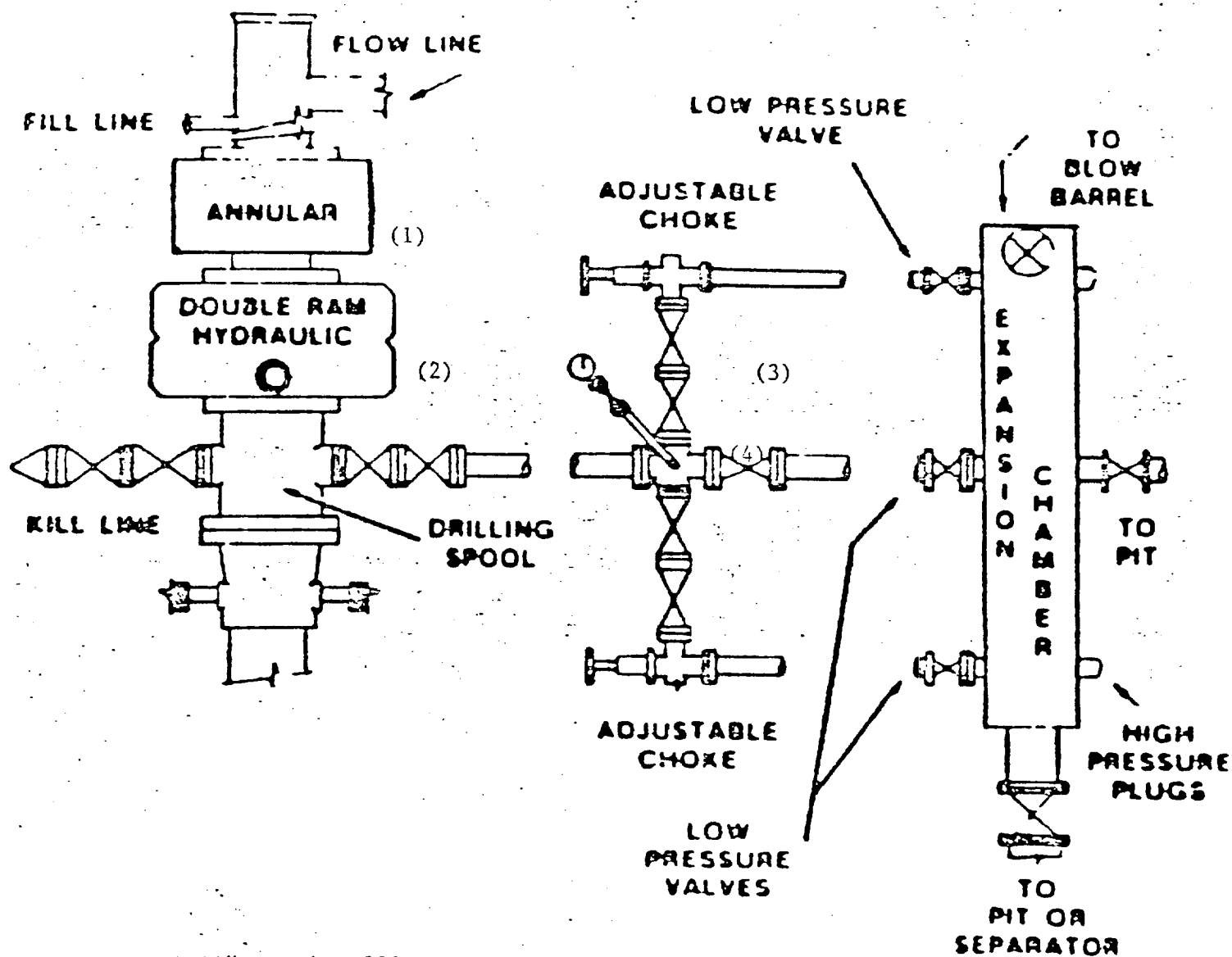
Ogallalla	439 water
Queen	4180 oil
Delaware	5120 oil
Bone Spring	8250 oil
Bone Spring	8493 oil
Bone Spring	8674 water
Wolfcamp	10735 oil
Wolfcamp	10940 oil
Wolfcamp	11090 oil
Wolfcamp	11280 oil
4. Casing Program: See attached Form 3160-3 and Exhibit E.
5. Blowout Equipment Specifications: See attached Form 3160-3 and Exhibit D.
6. Mud Program: See Exhibit F.
7. Auxiliary Equipment: A stubbing valve will be kept on rig floor to be used when Kelly is not in string. Upper & lower Kelly cocks will be in place and tested, and the wrench will be in a conspicuous place on the floor at all times.
8. Testing, Logging and Coring Programs:
 - A. DST's - None anticipated
 - B. Wireline logs
 - C. Cores - None anticipated
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

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MOLLY

Exhibit D
 Hanley 8 Federal No. 1
 730' FNL & 630' FWL
 Sec. 8, T-18-S, R-32-E
 Lea County, New Mexico



- (1) Hydril 11" Annular 3000PSI
- (2) Shaffer LWS Hydraulic Double 11"X3000 PSI
- (3) Choke Manifold 4"X3000 PSI
- (4) Valve 4"X3000 PSI

Standard Blowout Preventer Stack

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HOMER C. TYLE