

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-031-20952
5. LEASE DESIGNATION AND SERIAL NO.

NM85830

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Patience 14

9. WELL NO.

14-1

10. FIELD AND POOL, OR WILDCAT

Wild Cat HOSPAH

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 14, T20N, R13W

12. COUNTY OR PARISH 13. STATE

McKinley

NM

40 JT w/ #283

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

May 1, 1991

1A. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

GURLEY OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 2092, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

330' FNL and 330' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

22 miles north of Crownpoint, NM

16. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330' FEL

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

660'

19. PROPOSED DEPTH

+ 2300'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6135 GR This action is technical and
proceed at review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.423. DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL REQUIREMENTS

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" ST&C	24# K-55	+ 120'	100 cu.ft. Class B Neat
6-1/4" 7/8"	5-1/2" ST&C	15.5# J-55	+ 2300'	378 cu.ft. Class B Neat

We propose to drill a 12-1/4" hole to 120' and set 120' of 8-5/8" 24#/ft K-55 new casing, cemented with 100 cu ft, Class B cement, circulated to surface. We will drill a 7-7/8" hole to 2300'. We will run induction and density logs, if oil sands are present we will run 2300' of 5-1/2" 15.5#/ft. used casing cemented with 637 cu.ft. of Class B cement circulated to surface.

Circulating medium will be clear water, natural mud and water loss control additives. Unlined earth pits will be used. No abnormal pressures or temperatures are anticipated. A good supply of mud will be on hand to control the well as needed. Blowout preventor schematic is attached. We will use a 2000 psi WP annular blow out preventor. A Upper Kelly cock valve (with handle available) will be used. Safety valve and subs to fit all drill strings will be on the rig floor. Choke manifold equipment will be of the 2000 psi configuration. Estimated Formation Tops:
Surface formation: Clays and Sand (Menefee); Point Lookout: 1060'; Top Mancos: 1200'
Hospah: 2060'; Oil Sand: 2175'. Centralizers: Shoe joint, 60' & bottom of cellar.
Production casing: Centralizers across all water and oil sands.

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

L. Mike Maloney

TITLE

manager

DATE

3-7-91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

MOOD

MAY 7 1991
AREA MANAGER

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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

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

RECEIVED
BLM

91 MAR 12 AM 11:35

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

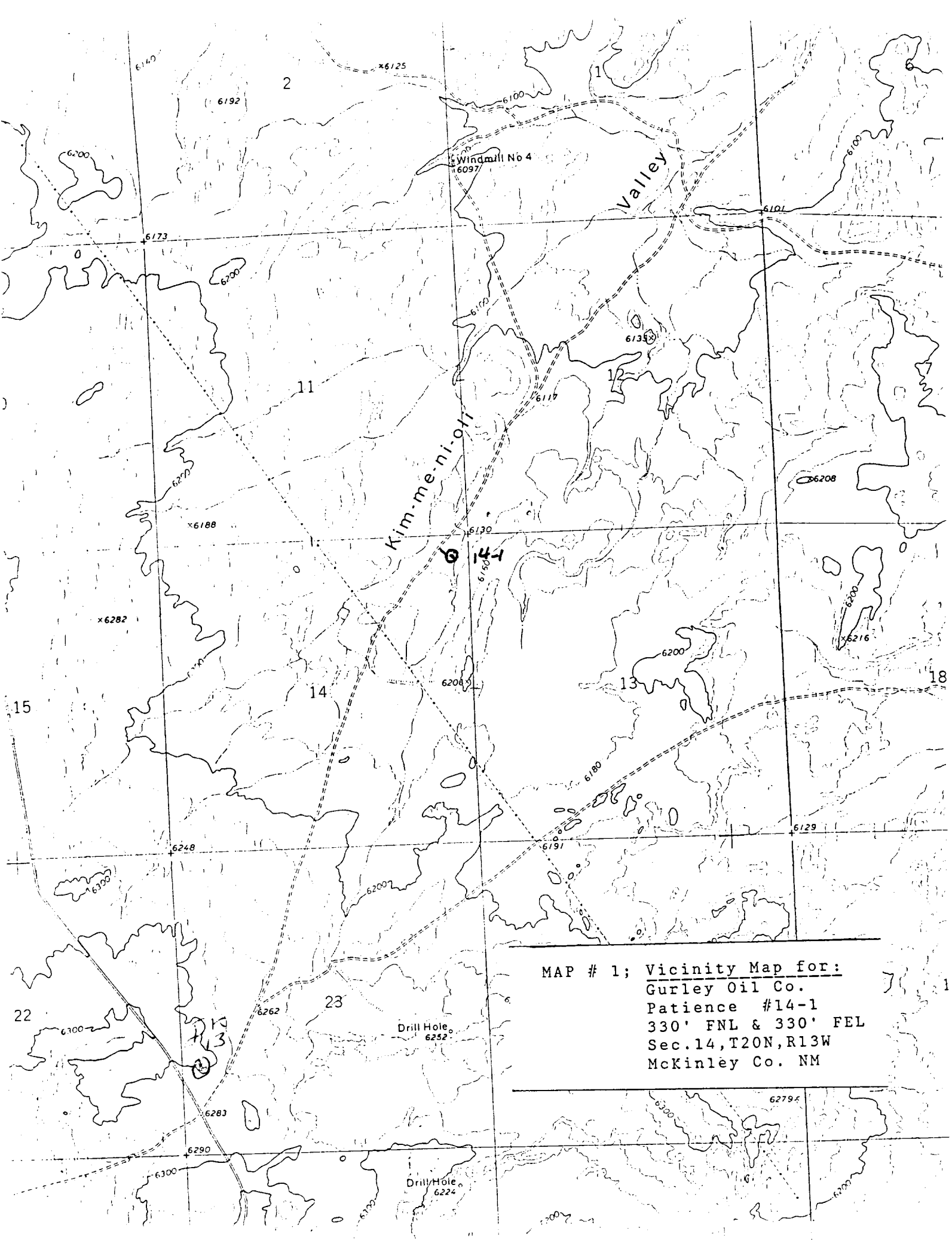
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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 GURLEY OIL COMPANY		Lease PATIENCE 14		Well No. 14-1
Unit Letter A	Section 14	Township 20N	Range 13W NMPM	County McKinley
Actual Footage Location of Well: 330' feet from the North line and 330' feet from the East line				
Ground level Elev. 6135'	Producing Formation Hospah	Pool Wildcat	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>				
<p>58°39'W 81.13 330' 330'</p> <p>14</p> <p>RECEIVED JUN 3 1991 OIL CON. DIV. DIST. 3</p> <p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature Mike Maloney</p> <p>Printed Name Mike Maloney</p> <p>Position Manager</p> <p>Company Gurley Oil company</p> <p>Date march 7, 1991</p> <p>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.</p> <p>Date Surveyed 2-20-91</p> <p>Signature Roy A. Rush</p> <p>Signature & Seal of Professional Surveyor ROY A. RUSH NEW MEXICO 8894</p> <p>Certificate 8894</p>				



MAP # 1; Vicinity Map for:
Gurley Oil Co.
Patience #14-1
330' FNL & 330' FEL
Sec.14,T20N,R13W
McKinley Co. NM