

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-29689

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

- -

7. UNIT AGREEMENT NAME

- -

8. FARM OR LEASE NAME

Barbara

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

North Hackberry (Bart.)

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

29-19S-31E

14. PERMIT NO.

- -

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

3481 GR

12. COUNTY OR PARISH

Eddy

13. STATE

N. M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

Re-Entry

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.)*

RECEIVED

Well was originally drilled by Len Mayer in 1960.

Total depth - 2422

8 5/8" casing

8 5/8" - 709' - 50 sacks cement

JUN 3 1980

O. C. D.
ARTESIA, OFFICE

Plan to re-enter well with reverse circulation unit and drill-out to old TD and attempt new completion in Yates-S.R. pay zone.

Plan to commence operations on or about 5-15-80.

6-3-80
Posted 10:14
Book 11

MAY - 8 1980
U.S. DEPARTMENT OF THE INTERIOR
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

James A. Kraul

TITLE Agent

DATE

5-7-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

5-28-80

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator HARLAN OIL COMPANY			Lease Barbara		Well No. 3
Unit Letter N	Section 29	Township 19S	Range 31E	County Eddy	

Actual Footage Location of Well: 990 feet from the south line and 1980 feet from the west line					
Ground Level Elev. 3481	Producing Formation Yates - Seven Rivers		Pool Undesignated	Dedicated Acres 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 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 **James A. Knauf**

Position
Agent

Company
Harlan Oil Company

Date
May 7, 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.

RE-ENTRY

Date Surveyed
7-16-60

Registered Professional Engineer
and/or Land Surveyor
Guy A. Swartz

Certificate No.
2787

0 370 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0



U.S.D. COPY

United States Department of the Interior

RECEIVED

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

JUN 3 1980

O. C. D.

May 28, 1980 ARTESIA, OFFICE

Harlan Oil Company
P. O. Box 668
Artesia, New Mexico 88210

Gentlemen:

HARLAN OIL COMPANY
Barbara No. 3
990 FSL 1980 FWL Sec. 29 T.19S R.31E
Eddy County Lease No. NM-29689

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO RE-ENTER the above-described well and clean out to a depth of 2,422 feet to test the Yates formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Notify the Survey by telephone 24 hours prior to re-entering the well.
7. Cement behind the 4-1/2" casing must be cemented with 150 sacks.
8. Notify Survey in sufficient time to witness the cementing of the 4-1/2" casing.

9. Special Stipulations: No caliche or other construction material will be removed from Federal lands or lands with Federal minerals for construction purposes.
10. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

(Orig. Sgd.) GEORGE H. STEWART

George H. Stewart
Acting District Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N.M.O.C.D. COPY

SUBMIT IN TRIPLI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-29689	
2. NAME OF OPERATOR Harlan Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
3. ADDRESS OF OPERATOR P. O. Box 668, Artesia, New Mexico 88210		7. UNIT AGREEMENT NAME --	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 990' FSL & 1980' FWL of Section 29		8. FARM OR LEASE NAME Barbara	
14. PERMIT NO. --		9. WELL NO. 3	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3481 GR		10. FIELD AND POOL, OR WILDCAT North Hackberry (N.H.)	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA (N) 29-19S-31E	
		12. COUNTY OR PARISH Eddy	
		13. STATE N. M.	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Run Production Casing <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

If production is indicated on re-entry, plan to run 4½" (10.5#) casing to total depth of 2422' and cement with 150 sacks of cement.

RECEIVED

JUN 3 1980

O. C. D.
ARTESIA, OFFICE

RECEIVED

MAY 21 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED James A. Knauf TITLE Agent DATE 5-20-80
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

SURFACE USE PLAN
FOR
RE-ENTERING, COMPLETING AND PRODUCING

HARLAN OIL COMPANY
WELL #3 BARBARA FEDERAL
990' FSL & 1980' FWL SEC. 29-19S-31E
EDDY COUNTY, NEW MEXICO

RECEIVED
MAY - 8 1980
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA, NEW MEXICO

Well was drilled by Len Mayer to total depth of 2422' during period 10-30-60 to 12-12-60, and was abandoned and plugged without encountering any commercial production.

LOCATED: 34 air miles east-southeast of Artesia, N. M.

FEDERAL LEASE NUMBER: NM-29689

LEASE: 3-1-77 for a primary term of 5 years

RECORD LESSEE: Gulf Oil Corporation

OPERATOR'S AUTHORITY: Designation of Operator from record lessee

BOND COVERAGE: Lessee's \$150,000 nation-wide bond

ACRES IN LEASE: 280 acres

SURFACE OWNERSHIP: Federal

SURFACE LESSEE: Slash "X" Ranch, c/o M. D. Irwin, P. O. Box 68-A,
Logan, New Mexico 88246

POOL: North Hackberry (Y-SR) Extension (40-acre spacing)

EXHIBITS:

- A. Area Road Map
- B. Map Showing Existing Wells
- C. Sketch of Well Pad

DIRECTIONS TO PROPOSED DRILLSITE

STARTING POINT is the intersection of NM-360 with NM-31 at the PCA mine. This point is 13.9 miles east from Artesia (US-285), then 19.2 miles southeast on NM-360.

0.00 Turn northeast on NM-31 and follow NM-31 for 5.25 miles.

5.25 Turn left (north) and proceed in northerly direction for 0.15 miles to wellsite.

5.40 WELLSITE

THIRTEEN POINT PROGRAM

1. EXISTING ROADS:

A. Existing roads are shown on Exhibits "A" & "B".

2. PROPOSED NEW ROAD:

A. No new road will be required. The existing road will be used for access to the wellsite.

3. LOCATION OF EXISTING WELLS:

A. Existing wells in the immediate area are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. There are no existing production facilities on this lease.

B. If the proposed well is productive, the tank battery and flow line will be located on the well pad and no additional surface disturbance will be necessary.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water necessary for operations will be purchased and hauled to the site over existing roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. No construction material will be needed for this operation.

7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
 - D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - E. Trash, waste paper, garbage and junk will be buried and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
 - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
8. ANCILLARY FACILITIES:
 - A. None required.
9. WELLSITE LAYOUT:
 - A. The old 100' x 180' well pad, which was not caliche, is still in good shape except for a couple mesquite bushes plus some dead trees and animal carcasses which have been dumped on the location.
 - B. When re-opening the old mud pit and re-blading the well pad, it is planned to extend pad approximately 60' west to make more room for the rig and a tank battery. See Exhibit "C".
10. PLANS FOR RESTORATION OF THE SURFACE:
 - A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an as aesthetically pleasing condition as possible.
 - B. Any unguarded pits containing fluids will be fenced until they are filled.
 - C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The land surface is relatively level with regional slope to the southwest.
- B. Soil: The top soil is loam.
- C. Flora and Fauna: The vegetative cover is sparse and consists of mesquite and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no fresh water rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: Nearest occupied dwelling is 3/4 mile to the east.
- F. Archaeological, Historical, and Other Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Federal.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

Mack Chase
P. O. Box 668
Artesia, N. M. 88210
Office - 746-2422
Home - 746-4877


13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by HARLAN OIL COMPANY and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

HARLAN OIL COMPANY

5-7-80
Date

by


James A. Knauf, Agent

