

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23105

5. LEASE DESIGNATION AND SERIAL NO.

LC 029387D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Kenwood Federal

9. WELL NO.

6

10. FIELD AND POOL OR WILDCAT

Y-SR-Q-
Shugart, Grayburg11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

30-18S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒RECEIVED
DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

DEC 20 1979

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

R. Q. Silverthorne

O. C. D.

3. ADDRESS OF OPERATOR

P.O. Box 385, Artesia, New Mexico 88210

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

At surface

1100'/South, 1100'/West, Sec. 30, 18S, 31E, Eddy County,
At proposed prod. zone New Mexico

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

Approximately 8 miles

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

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

2700'

20. ROTARY OR CABLE TOOLS

Rotary

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

3567 Gr.

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	20	800'	200 sacks
7"	5 1/2"	15	2700'	150 sacks

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ARTESIA, NEW MEXICO

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

Harry King

TITLE

Agent

DATE

November 21, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

12-1-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-128
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Owner R. Q. SILVERTHORNE			Lease Kenwood		Well No. ✓ 6
Section 30	Township 15 South	Range 31 East	County El Paso		
Elevation of well 1100 feet from the South line and 1100 feet from the West line					
Surface Elev. 3567.0	Producing Formation ates	Foot Shugart V-SR-5-4	Dedicated Acreage 40.0 Acres		

1. Outline the acreage dedicated to the subject well by pencil or hatchure marks on the plat below.

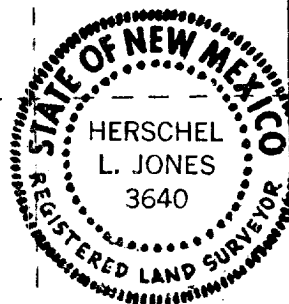
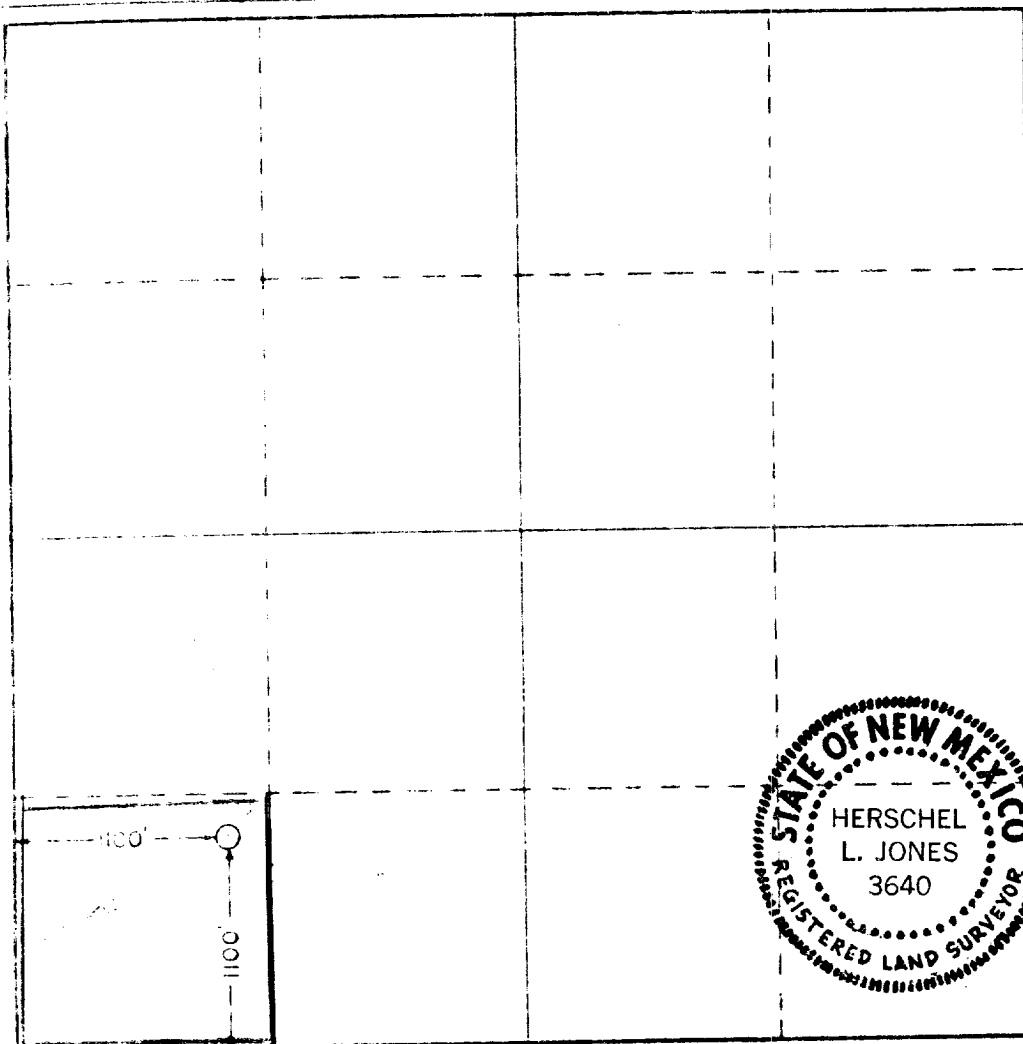
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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, or otherwise?

☐ 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
Nancy King
Position
Agent

Company
R. Q. Silverthorne

Date
November 21, 1979

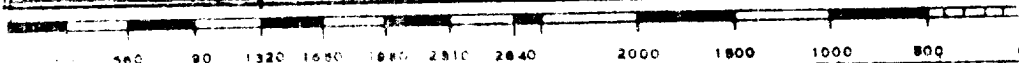
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 16, 1979

Registered Professional Engineer and/or Land Surveyor

Herschel L. Jones
Certificate No.

3640





United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

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O. C. D.
ARTESIA, OFFICE

R. Q. Silverthorne
P. O. Box 385
Artesia, New Mexico 88210

Gentlemen:

R. Q. SILVERTHORNE
Kenwood Fed No. 6
1100 FSL 1100 FWL Sec. 30 T.18S R.31E
Eddy County Lease LC 029387-D

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 2,700 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. 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.
4. 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).
5. Cement behind the 8-5/8" casing must be circulated.
6. 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,

George H. Stewart
Acting District Engineer



SURFACE USE PLAN

R. Q. SILVERTHORNE, WELL NO. 6 KENWOOD
1100'FSL & 1100'FWL, Sec. 30, T. 18S, R. 31 E.
Lease LC 029387D, Eddy County, N. Mex.

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The proposed wellsite is approximately 8 miles southeast of Loco Hills, N. M. and can be reached by a dirt road which exits State Highway 31 about 6½ miles south of U.S. Highway 82 (see Exhibit "A"). The following information is submitted to describe the location and natural setting of the proposed wellsite, the surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation. A copy of this plan will be furnished to each of our contractors and subcontractors, and a copy will be posted at the wellsite during the drilling of the well.

1. EXISTING ROADS: Existing roads are shown on Exhibit "A", a portion of N.M. Quadrangle Road Map No. 107 of the State Highway Department, and on Exhibit "B" a large scale detailed plat of the Kenwood Lease.

2. PROPOSED ROADS: No new roads will be required.

SURFACE MATERIAL: None will be used as no new roads are required.

CUT & FILL: None required.

CULVERTS: None required.

CATTLEGUARDS, GATES, ETC. None required.

3. EXISTING WELLS: Existing wells in the vicinity of the proposed wellsite are shown on Exhibit "C".

4. PRODUCTION, GATHERING, TREATING & STORAGE FACILITIES:

TANK BATTERY: Location of battery site is 1320' from W, 320 from S. Battery consists of 3 210 bbl. tanks. If increased production requires enlargement of tank battery pad, an amended Surface Use Plan will be submitted for approval.

FLOW LINES: Location of existing flow lines is shown on Exhibit "B" with solid blue line. Approximately 800' of new flowline will be layed.

5. WATER SUPPLY: Drilling water will be hauled from water supply tank near State Highway 31.

6. SOURCE OF CONSTRUCTION MATERIALS: Caliche for surfacing the well pad will be purchased from the BLM from an existing pit in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25, T. 18S, R. 30E.
7. METHODS OF HANDLING WASTE DISPOSAL:

DRILL CUTTINGS will be disposed of in the drilling pit.

DRILLING FLUIDS will be allowed to evaporate in the drilling pits until pits are dry.

WATER PRODUCED during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

TRASH CONTAINERS will be provided around the drilling rig during drilling and completion procedures. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt, or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
8. ANCILLARY FACILITIES: No camps, airstrips, etc. will be constructed.
9. WELLSITE LAYOUT: Exhibit "D" shows the dimensions and the relative locations of the well pad, mud pits, reserve pit, and trash pit with respect to the well.

MAT SIZE: 140' X 200'

CUT & FILL: Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.

SURFACED: Will be topped with 6" of caliche, bladed, attered, and compacted.

RESERVE PIT: 80' X 150' pit.

CLEARED BUFFER AREA: No buffer area is to be cleared, however, area around well mat may be used for turn-a-round and/or storage.
10. PLANS FOR RESTORATION OF THE SURFACE 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 location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible. Any unguared pits containing fluids will be fenced until they are filled. After abandonment of the well, the well pad and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION:

TOPOGRAPHY: Land surface is undulating to gently rolling and dunny.
See Exhibit "E"

SOIL: Sandy rocky.

VEGETATION: The vegetative cover is generally sparse and consists of mesquite, yucca, shinnery oak, sandsage and perennial native range grasses.

WILDLIFE: Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.

PONDS & STREAMS: There are no rivers, streams, lakes or ponds in the area.

RESIDENCES & OTHER STRUCTURES: There are no occupied dwellings within ½ mile.

WATER WELLS: There are no water wells within ½ mile.

ARCHEOLOGICAL SITES: None were observed in the area.

LAND USE: Grazing and some hunting.

SURFACE OWNERSHIP: Wellsite is on Federal surface.

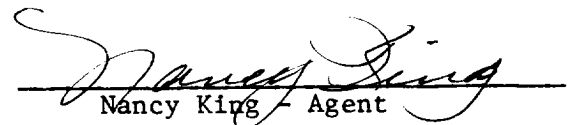
12. OPERATOR'S REPRESENTATIVES:

Garel Westall
P.O. Box 234
Loco Hills, New Mexico 88255
505-677-2421
505-746-6215

Nancy King
P.O. Box 385
Artesia, New Mexico 88210
505-746-3451

13. CERTIFICATION:

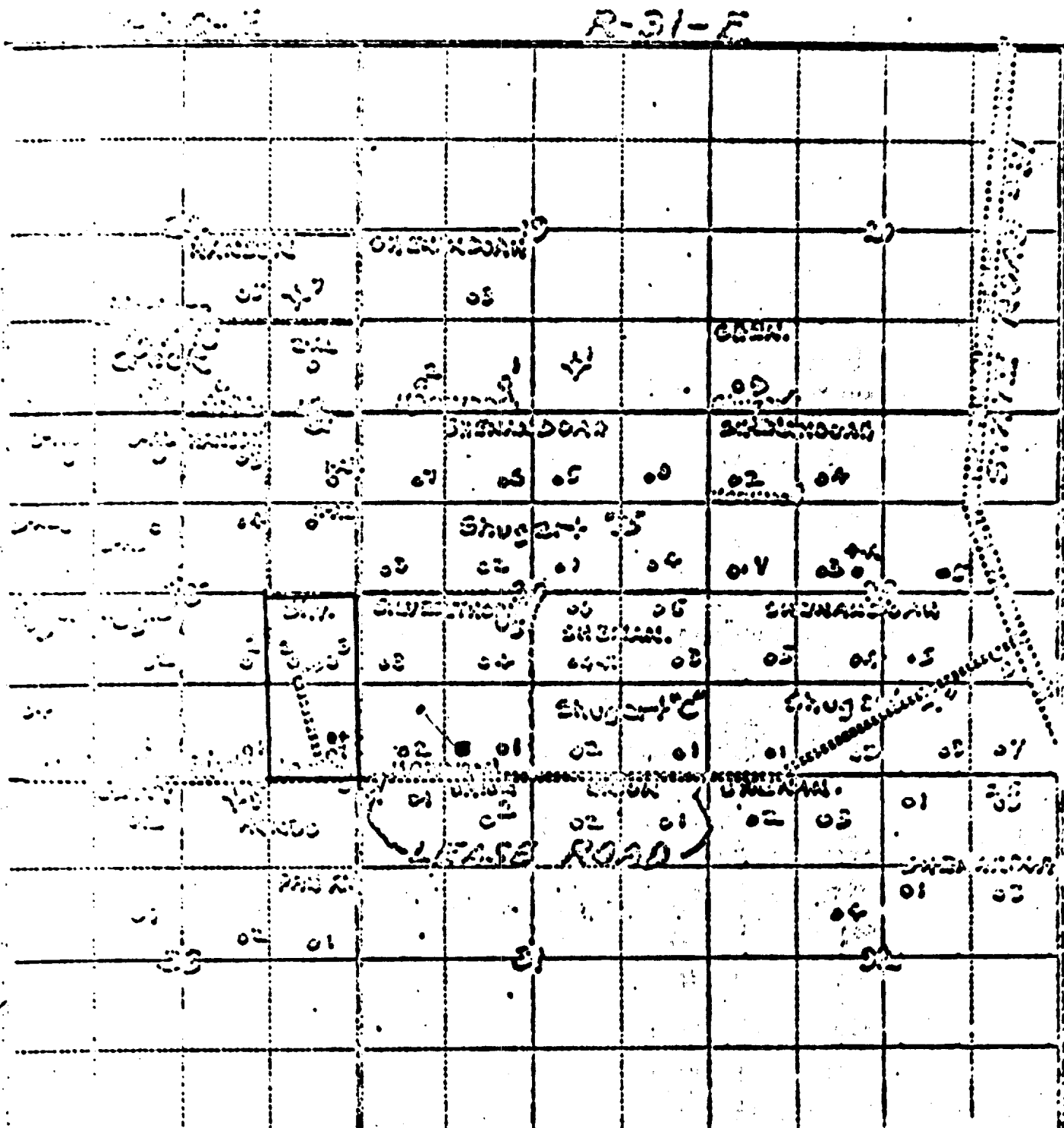
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route: that I am familiar with the conditions which presently exist: that the statements made in this plat are, to the best of my knowledge, true and correct; and, that the work associated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


Nancy King - Agent

November 21, 1979

County, 18S, Range, 31E, County, Eddy

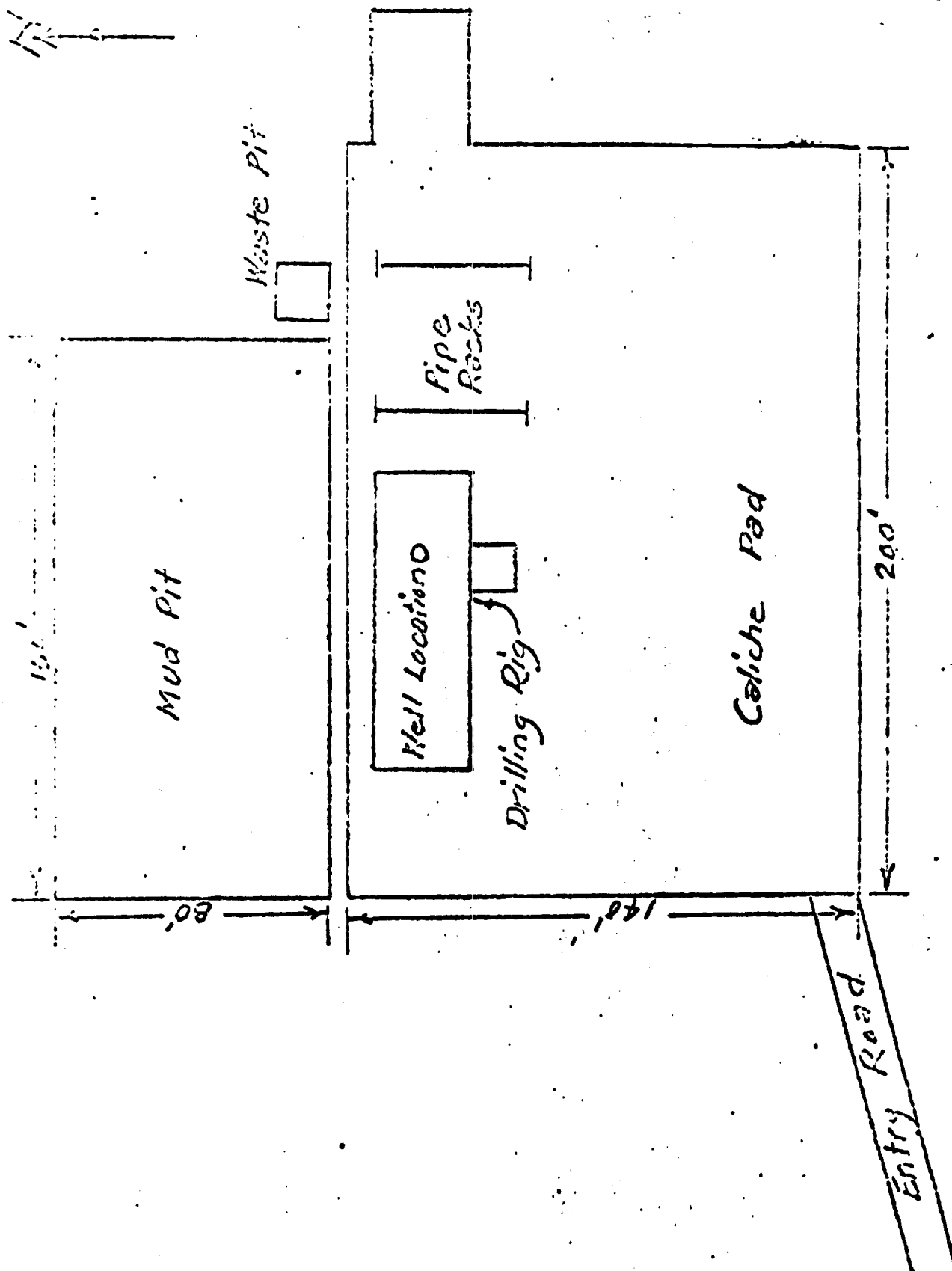
Form 101-9 Section Memo Plat-In Stock and For Sale by Triangle Blue Prints & Supply Co., Tulsa, Okla.



--- Flow line

■ Battery

• 6 Proposed location



R. Q. Silverthorne
Kenwood Federal No. 6

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6696
Order No. R-6162

APPLICATION OF R. Q. SILVERTHORNE
FOR AN UNORTHODOX OIL WELL LOCATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 17, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 2nd day of November, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, R. Q. Silverthorne, seeks approval of an unorthodox oil well location for his Kenwood Well No. 6, to be drilled at a point ~~1010~~^{1100*} feet from the South line and ~~1310~~ feet from the West line of Section 30, Township 18 South, Range 31 East, NMPM, to test the Yates formation, Shugart Pool, Eddy County, New Mexico.

(3) That the SW/4 SW/4 of said Section 30 is to be dedicated to the well.

(4) That a well at said unorthodox location will better enable applicant to produce the oil and gas underlying the proration unit.

(5) That no offset operator objected to the proposed unorthodox location.

* Verbal permission by phone call from Mr. Joe Ramsey, NMOC D, Santa Fe, 11-29-79 to change this unorthodox location. Mr. Ramsey will submit a new order to replace this one. Mr.

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil and gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

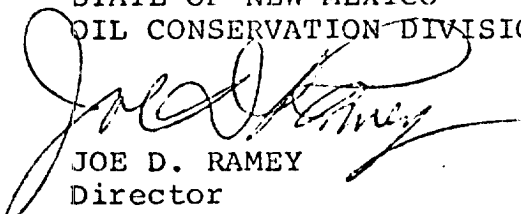
(1) That an unorthodox oil well location for the Yates formation is hereby approved for the R. Q. Silverthorne Kenwood Well No. 6 to be drilled at a point ~~1310~~ feet from the South line and 1310 feet from the West line of Section 30, Township 18 South, Range 31 East, NMPM, Shugart Pool, Eddy County, New Mexico.

(2) That the SW/4 SW/4 of said Section 30 shall be dedicated to the above-described well.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L

fd/

Archaeological Clearance Report

for

R.Q. Silverthorne

Kenwood Well No. 6

Prepared

By

J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell
Principal Investigator
New Mexico Archaeological Services, Inc.
Carlsbad, New Mexico

9 November 1979

Permit No. 79-NM-166

Introduction

On 9 November 1979, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for Mr. R.Q. Silverthorne, Plainview, an archaeological reconnaissance of federal lands administered by the Bureau of Land Management in Eddy County, New Mexico. Reconnoitered areas will be impacted by the construction of a drill location. This project was advanced by Mrs. Nancy King, Nancy King Bookkeeping Service, Artesia, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Dr. Haskell,

Survey Technique

For this investigation, R.Q. Silverthorne's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 20 ft wide, close interval (15° or less), zigzag transects. In addition, an added zone embracing 20 ft on each side of a 400 X 400 ft area, and hence lying outside the bounds of the proposed work area, was reconnoitered by a similar means. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Kenwood Well No. 6

Location

The proposed location will measure 400 X 400 ft on federal lands and will be situated 1310 ft from the south line and 1310 ft from the west line of:

Section 30, T18S, R31E, NMPM, Eddy County, NM

Thus it will be situated in the:

SW~~1~~SW~~1~~, Section 30, T18S, R31E, NMPM, Eddy County, NM

The location is situated on an existing lease road.

Map Reference: USGS CLAYTON BASIN QUADRANGLE, 15 Minute Series, 1939.

Terrain

The proposed location is situated on the Querecho Plains within a locality marked by low, coppice-type dunes which border generally small, shallow subsidence structures. In general, this portion of the Querecho Plains is overlain by a deposit of aeolian material of Pleistocene and Holocene age. Associated soils tend to be stable and dominated by the sand separate. Peds uniformly belong to the Typic Torripsamment subgroup and are composed of sandy loams and loamy sands. Inclusions are limited to caliche cobbles and gravels. Locally, drainage is toward the north and into a small uvala.

Floristics

Areal soils support a mixed overstory of Prosopis juliflora, Condalia ericoides, Acacia constricta, and Yucca glauca. Observed forbs include: Gutierrezia sarothrae, Eriogonum annuum, Croton sp., Euphorbia spp., Lepidium sp., and Salsola kali. Principal grasses include: Bouteloua sp., Sporobolus sp., Aristida sp., Muhlenbergia porteri, and Setaria macrostachys.

Cultural Resources

No archaeological sites or isolated manifestations were recorded during this reconnaissance. Locally, the overall absence of material cultural resources is due to a lack of lithic resources suited to the needs of the flaked- or ground-tool

maker, a general paucity of potable water, an overall dearth of cover, and remoteness from localities possessing these resources and amenities. Prehistoric usage of this landform thus was seemingly limited to hunting- and hunting-related tasks.

Recommendations

NMAS recommends clearance for R.Q. Silverthorne's proposed Kenwood Well No. 6 and suggests that work-related activities proceed in accordance with company plans. Clearance, of course, is granted by the Bureau of Land Management.

R. Q. SILVERTHORNE

KENWOOD FEDERAL NO. 6 LC-029387(d)
1100'/S 1100'/W 30-18-S-31E, Eddy County, New Mexico

PROPOSED MUD PROGRAM

0-800'	Native Spud Mud
800-2400'	Native with fresh water
2400-2700'	Salt water gel/w Starch, wt. 10 lbs. vis 34-36 water loss 25% or less

BLOWOUT PREVENTION PROGRAM

1 - Shaffer type E double hydraulic 10" series 900 with blanks
in bottom, 4" in top, 3000 lbs. working pressure, 600 lbs.
test to be installed on 8 5/8" surface casing, test 1000
psi before drilling out.

We will run GAMMA RAY NUETRON LOGS.

ANTICIPATED GEOLOGICAL TOPS

Obtained from Kenwood Federal No. 4	
Top salt	850'
Base salt	1810'
Yates	2035'
Water zone	700-760'
Oil zone	2485-2510'