



N.M.O.C.D. COPY
United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

August 24, 1979

Carl A. Schellinger
P. O. Box 447
Roswell, New Mexico 88201

Gentlemen:

CARL A. SCHELLINGER
Cockrell Federal No. 1
660 FNL 1980 FWL Sec. 14 T.14S R.30E
Chaves County Lease No. NM-8255

Above Data Required on Well Sign


Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 10,800 feet to test the Morrow 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 attached 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 these Conditions of Approval including the attached General Requirements.
3. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be 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 Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
5. Before drilling below the 8-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
6. A kelly cock will be installed and maintained in operable condition.



7. After setting the 8-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - (1) A recording pit level indicator to determine pit volume gains and losses.
 - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
9. The access road to the well must follow the route suggested and flagged by New Mexico Archaeological Services, Inc.
- 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,


Albert R. Stall
Acting District Engineer

RECEIVED

AUG 27 1961

O.C.D. HOBBS. OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

Carl A. Schellinger

3. ADDRESS OF OPERATOR

P.O. Box 447, Roswell, N.M. 88201

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

At surface

660' FNL & 1980' FWL

At proposed prod. zone

Same

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

27 miles East of Hagerman, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

3908 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	450'	250 sx.
12 1/4"	8 5/8"	24#	2,500'	750 sx. Circulated
7 7/8"	5 1/2"	17#	10,800'	300 sx.

1. Drill 450', set and cement 13 3/8" casing; install blowout preventor.
2. Drill to approximately 2500', set and cement 8 5/8" casing.
3. Drill to approximately 10,800', run open hole logs and possible one or more drill stem tests, set and cement 5 1/2" casing to cover productive zones.

- Geologic formation at surface is Quaternary Alluvium. Estimated formation tops: Rustler 750', Salado 800', Yates 1600', Queen 2350', San Andres 2950', Yeso 4400', Tubb 5800', Abo 6550', Wolfcamp 7950', Cisco 8700', Canyon 9075', Strawn 9450', Atoka 10175', Morrow 10400', Mississippian Chester 10700'.
- Circulation Medium: Surface to 750' fresh water with jel; 750' to 7950' Brine water jel; 7950 to total depth salt water jel Mud system, 10# to 10.5# water loss 10-30.

Gas Sales not dedicated

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

Carl A. Schellinger

TITLE Operator

DATE July 27, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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AUG 1 1963
O.C.D. HOBBS, OFFICE

RECEIVED
AUG 27 1963
O.C.D. HOBBS, OFFICE

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.

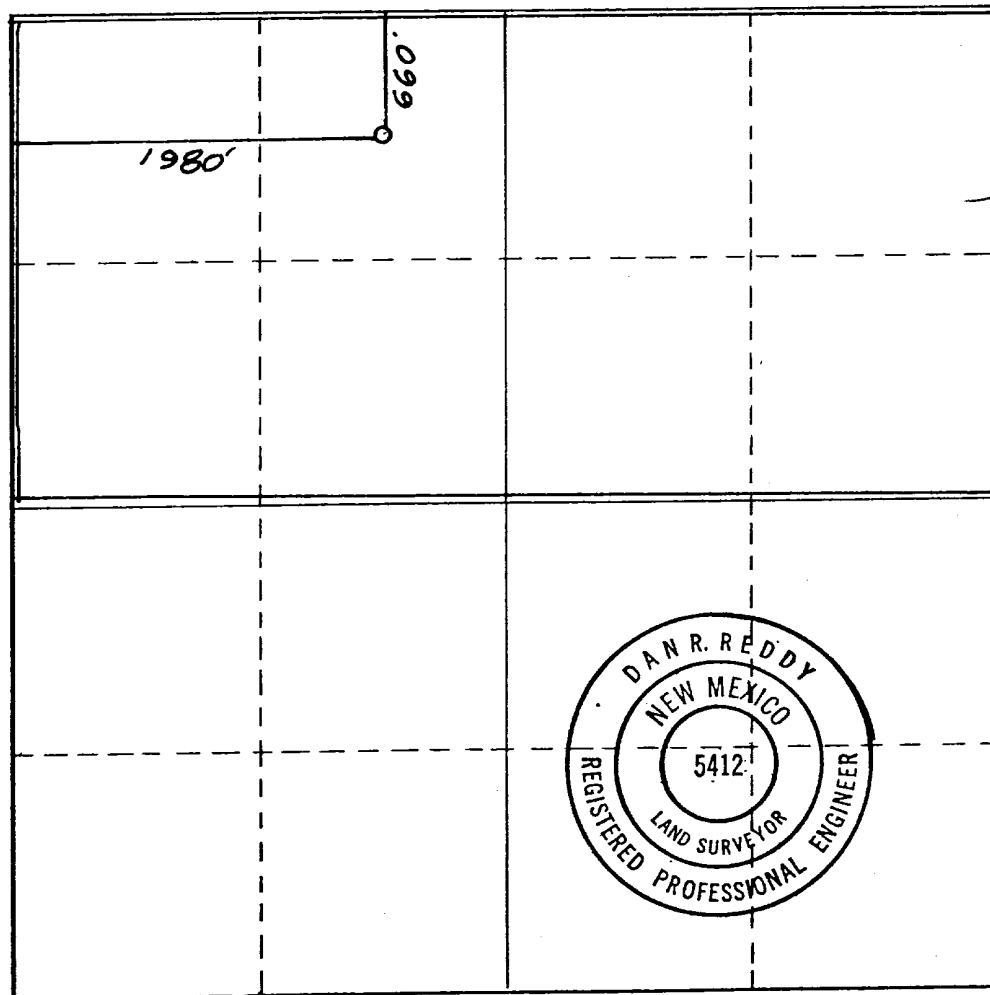
Operator Carl A. Schellinger		Lease Cockrell Federal		Well No. 1
Unit Letter C	Section 14	Township 14 South	Range 30 East	County Chaves
Actual Footage Location of Well: 1980 feet from the West line and 660 feet from the North line				
Ground Level Elev. 3908	Producing Formation Morrow	Pool Undesignated Morrow	Dedicated Acreage: 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

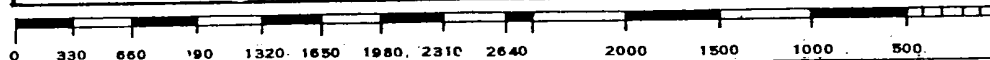
Carl A. Schellinger
Name
Carl A. Schellinger
Position
Operator
Company

Date
July 27, 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
7/21/79
Registered Professional Engineer and/or Land Surveyor

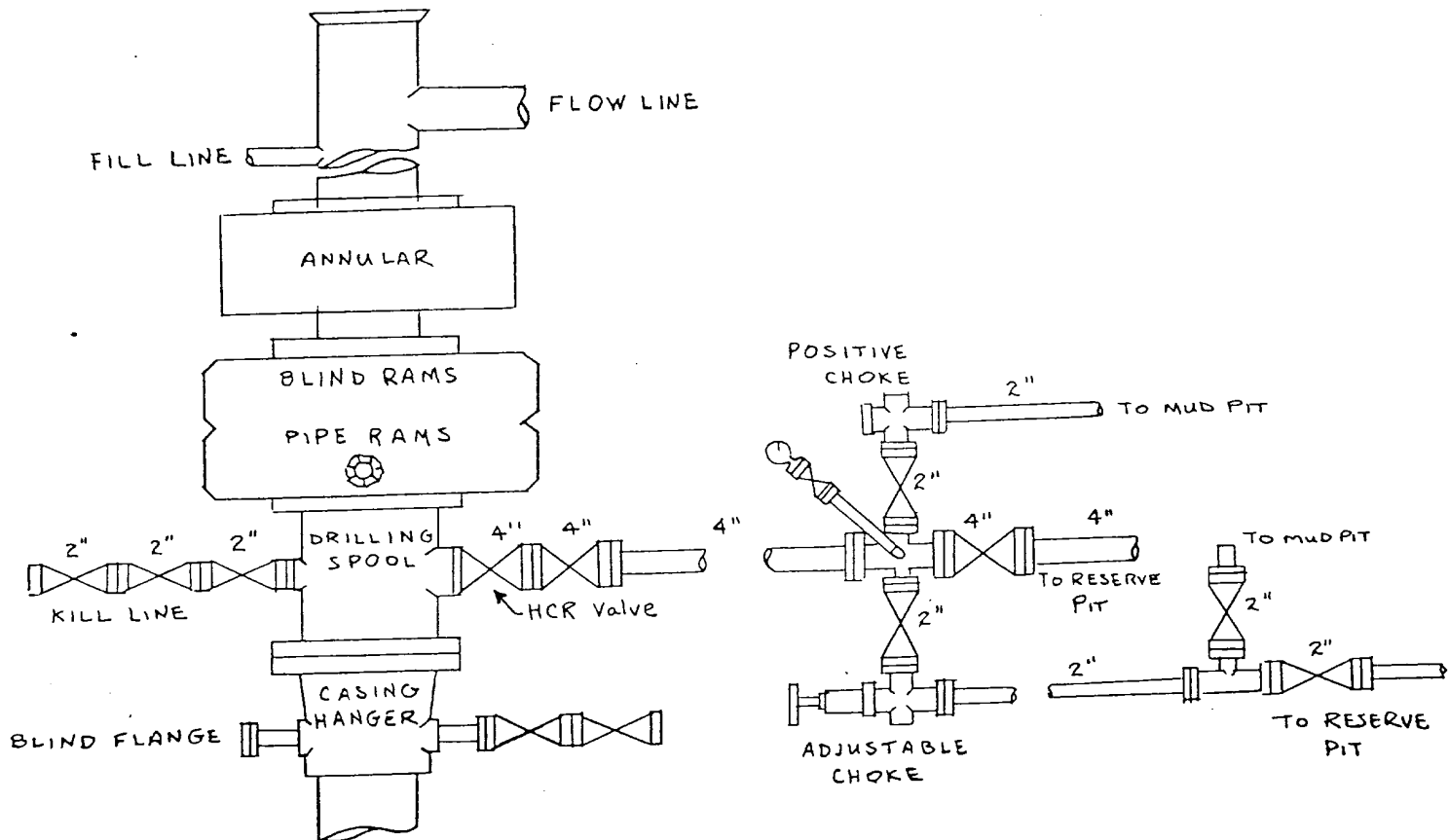
Dan R. Reddy
Certificate No.
NMPE&LS 5412



BUT PREVENTER DIAGRAM

Shaffer LWS hydraulic double 10"X900 Series, 3000 WP;

Hydril 10"X900 Series ; Choke manifold 4"X900 Series
Flanged connections.



COCKRELL FED. No. 1
660' FNL & 1980' FWL Sec. 14,
T-14-S, R-30-E
Chaves County, New Mexico

SURFACE USE PLAN

RECEIVED

WELL NAME: Cockrell Federal No. 1

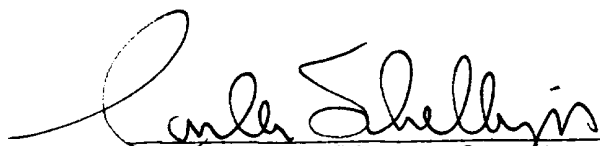
JUL 31 1979

LOCATION: Section 14, T-14-S, R-30-E, N.M.P.M.
Unit C, Chaves County, New Mexico

**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

1. Existing Roads: Shown on Attached Plat. Drillsite is 21 1/2 miles east of Hagerman, N.M. on St. Hwy 31, thence north on existing caliche road approximately 3 1/2 miles, thence east on caliche road approximately 3 1/4 miles, thence north approximately 1/2 mile; thence east approximately 1/4 mile. From this point, 3000 feet of new road is planned northeast to location.
2. Planned Access Road: Approximately 3000 feet of new 12 ft. wide bladed road topped with caliche. Road material to be purchased from surface owner. (Road noted on attached plat.)
3. Location of Existing Wells: Shown on attached plat. There are no wells within 2 1/2 miles of drillsite to the north or east. The nearest is a gas well approximately 1 mile south-southwest in the NE 1/4 NE 1/4 Section 22, 14-S, 30-E.
4. Location of Tank Batteries & Production Facilities: If production is established, tank battery and production equipment will be located at south edge of wellsite pad.
5. Water Supply: Water to be trucked from nearest commercial source.
6. Source of Construction Materials: Caliche pit located 3/4ths mile southwest of wellsite in the SE 1/4 NE 1/4 of Section 15, T-14-S, R-30-E, N.M.P.M.
7. Method of Handling Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drillsite area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried at a minimum of 24" below surface.
8. Ancillary Facilities: None required
9. Wellsite Layout: See attached plat.
10. Restoration of Surface: If well is productive, pits will be backfilled and leveled as soon as practical. Upon final abandonment of well, well site will be leveled and returned as near as practical to original contour and condition.
11. Other Information: Surface is wind blown sand with sparse vegetation and is owned by the United States.
12. Operator's Representative:
Carl A. Schellinger Business Phone: (505) 623-2328
P.O. Box 447 Home Phone : (505) 623-2329
Roswell, New Mexico 88201
13. Certification: I hereby 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 Carl A. Schellinger, his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

July 27, 1979
Date


Carl A. Schellinger, Operator