

NM OIL CONS. COMMISSION
DRAWER DE
ARTIFICIAL STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

NM-21505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

NORTH BARCLAY FEDERAL

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

WILDCAT

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

SEC. 26, T. 22 S., R. 31 E.

12. COUNTY OR PARISH

EDDY

13. STATE

NEW MEXICO

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

UNION OIL COMPANY OF CALIFORNIA

3. ADDRESS OF OPERATOR

P.O. BOX 671, MIDLAND, TEXAS 79702

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

1980' FNL AND 660' FWL OF SECTION 26

At proposed prod. zone

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

28 MILES EAST OF CARLSBAD, 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.)

3522 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#	700'	SUFFICIENT TO CIRCULATE
12-1/4"	10-3/4"	45.5#	4300'	SUFFICIENT TO CIRCULATE
9-1/2"	7-5/8"	29.7#	12,200'	CALCULATED TO TIE BACK
6-1/2"	5" (Liner)	18#	15,100'	CIRCULATE LINER

PRODUCING ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCHES
SURFACE USE AND OPERATIONS PLAN

GAS IS NOT DEDICATED.

Exp Int
30-015-24254RECEIVED
JUL 9 1982

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

Arthur R. Brown

TITLE

Agent for
UNION OIL CO. OF CALIFORNIA

DATE

JULY 7, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

AUG 2 1982

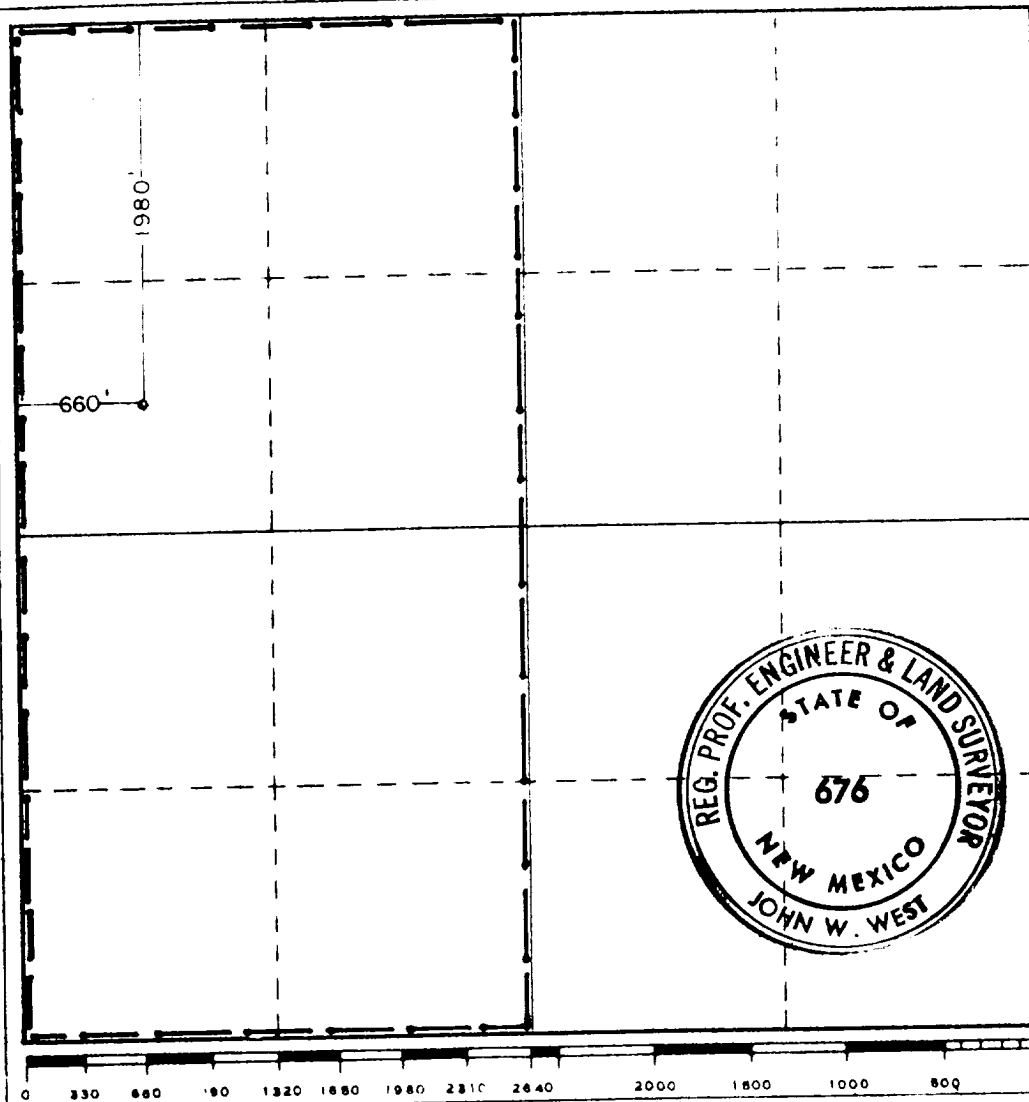
Operator UNION OIL COMPANY OF CALIFORNIA			Lease NORTH BARCLAY FED.			Well No. 1		
Unit Letter E	Section 26	Township 22 SOUTH	Range 31 EAST	County EDDY ARTESIA, OFFICE				
Actual Footage Location of Well: 660			WEST			1980		
feet from the			line and			feet from the		
GROUND LEVEL ELEV. 3522.0			Producing Formation MORROW			Pool WILDCAT		
						Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

Arthur R. Brown
Arthur R. Brown

Position

Agent for

Company

UNION OIL COMPANY OF CALIF.

Date

JULY 7, 1982

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

6-17-82

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239

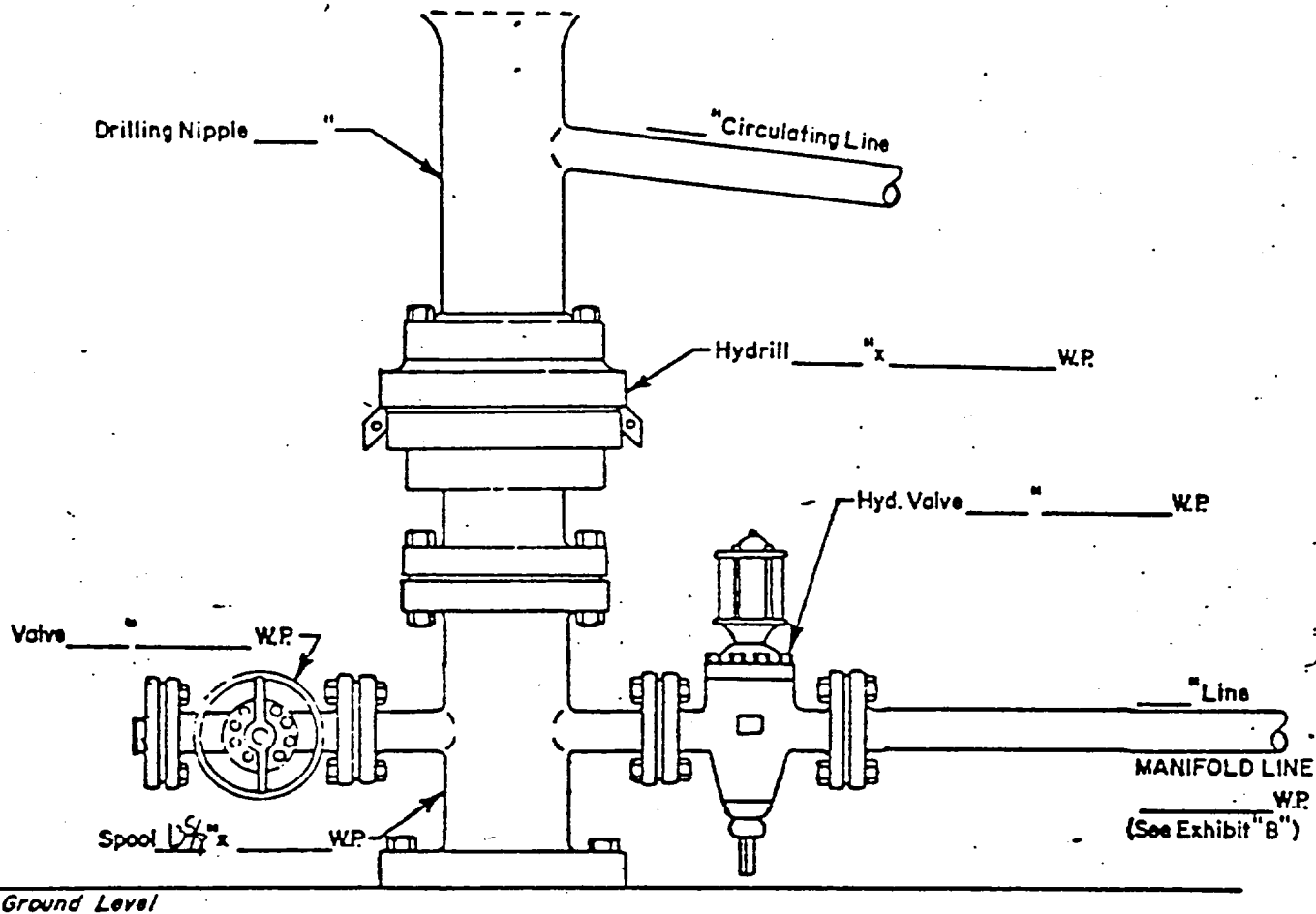
UNION OIL COMPANY OF CALIFORNIA

EXHIBIT A-__

WELL NAME: _____

LOCATION: _____

~~North Berkeley Fed No. 1~~
North Berkeley Fed No. 1



WELL HEAD B.O.P.
TO DIVERT #W.P.

Drill 12 1/4" hole thru
this equip.
☐ Manual
☒ Hydraulic

NOTE:

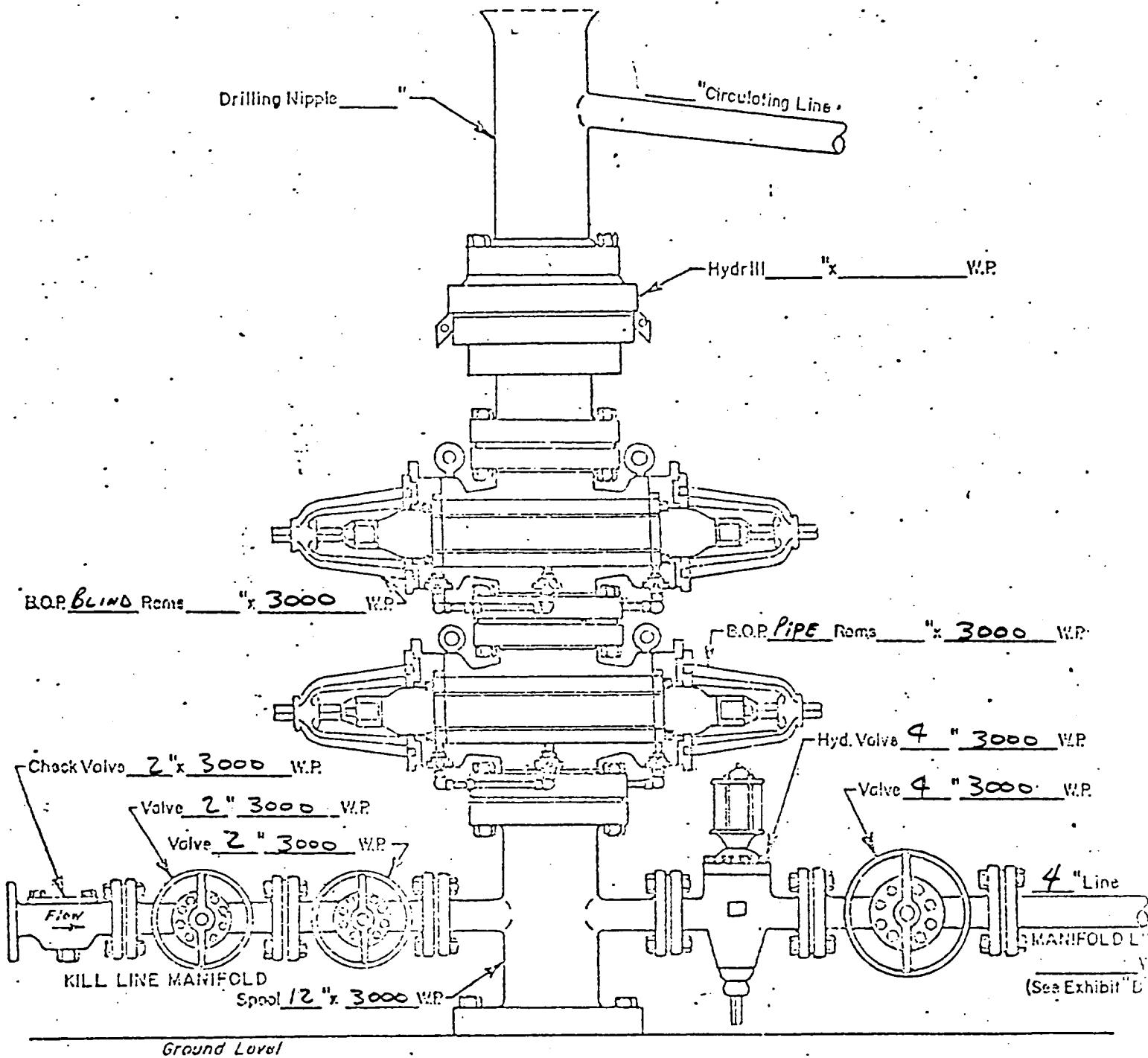
Controls to be rigged so that
Hydraulic Valve will open when
Hydrill is closed.

TO DIVERT ONLY

EXHIBIT A

WELL NAME: _____

LOCATION: North Barclay Eed No. 1



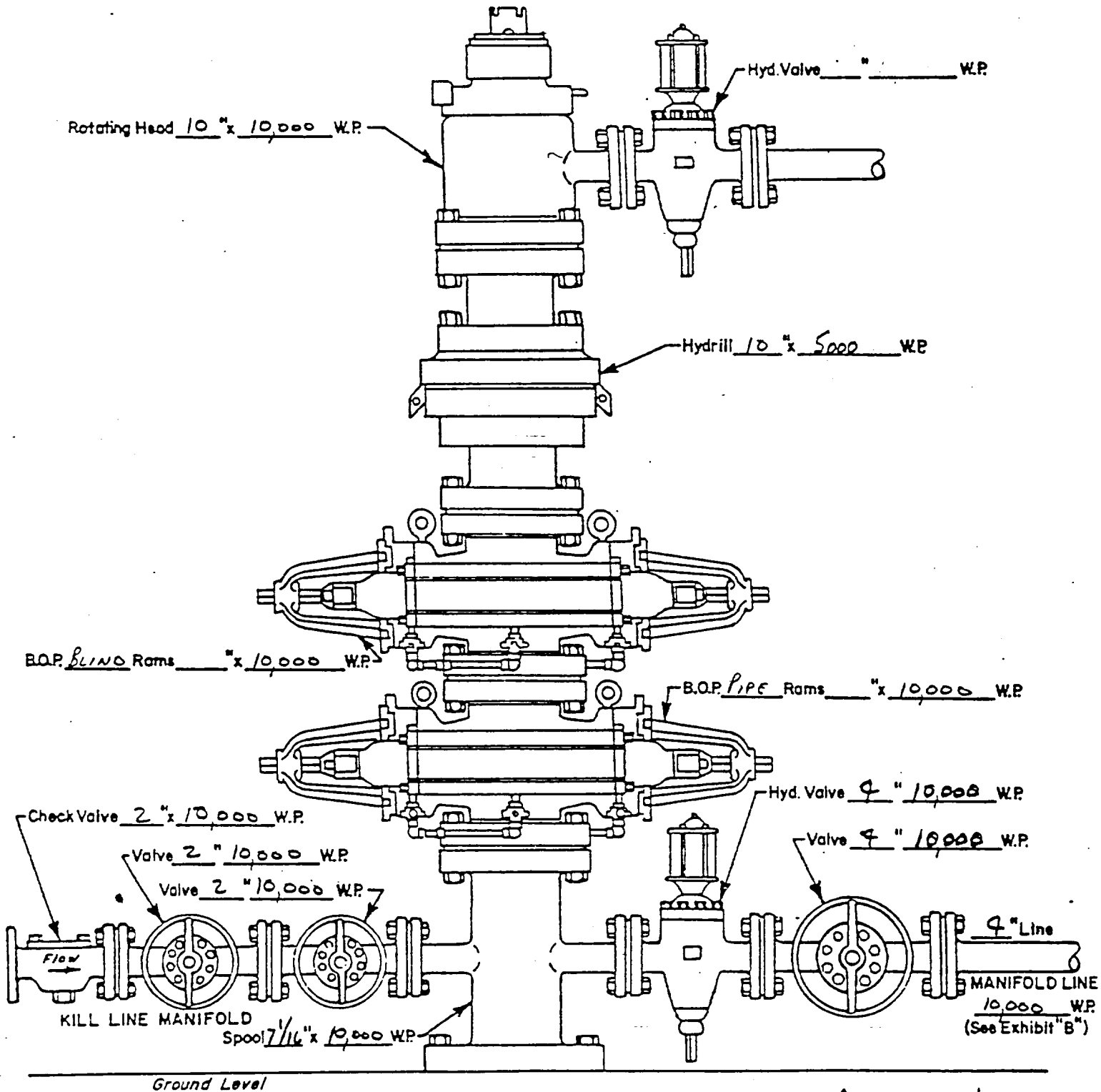
WELL HEAD B.O.P.
3000 W.P.

Drill $9\frac{1}{2}$ " hole thru this
equip.

EXHIBIT A-___

WELL NAME: _____

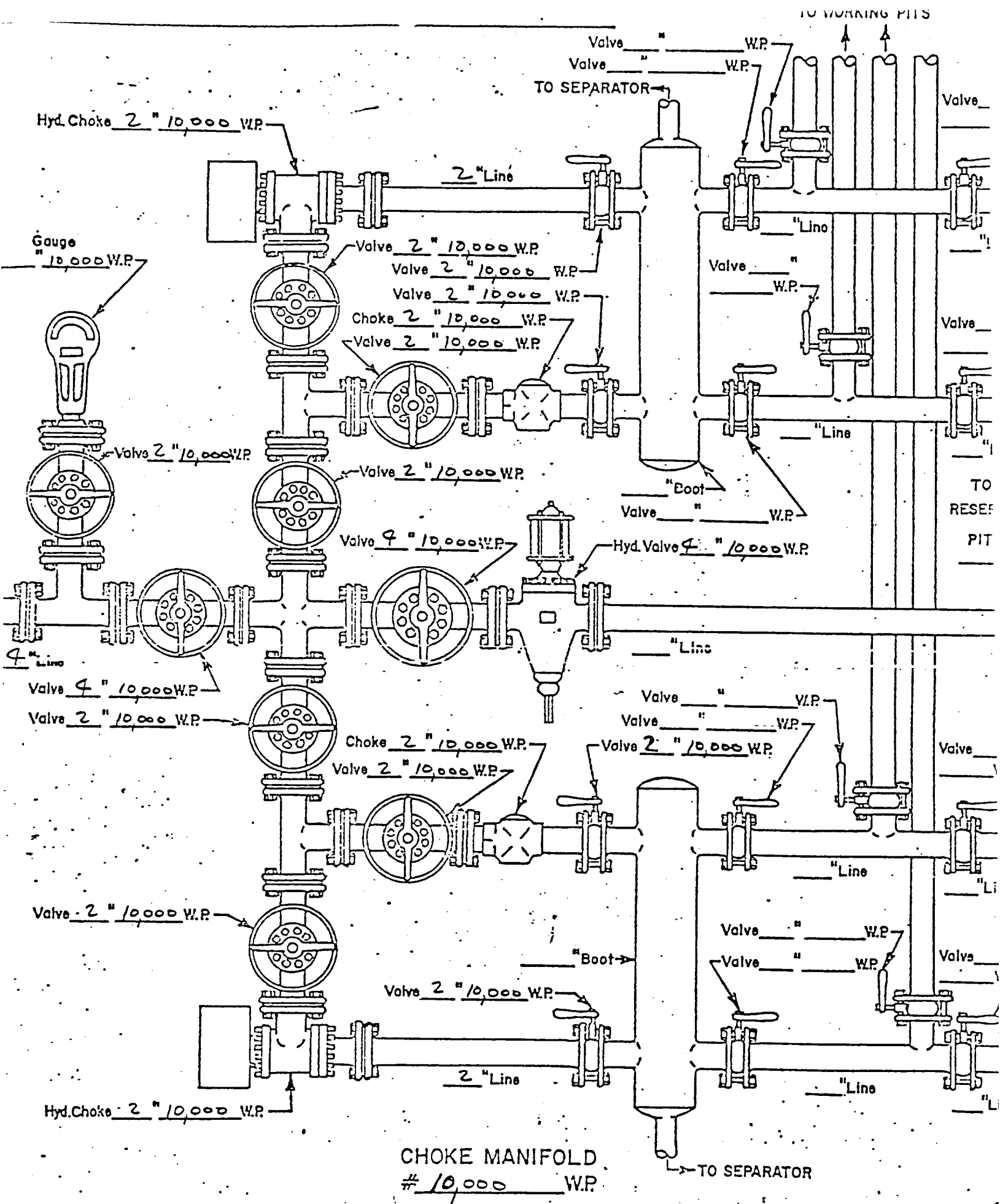
LOCATION: North Barclay Fed No. 1



WELL HEAD B.O.P.
10,000 # W.P.

☐ Manual
☒ Hydraulic

Drill 6 1/2" hole thru this equip,



6 1/2 hole



United States Department of the Interior

OFFICE OF THE SECRETARY
Minerals Management Service

ROSWELL DISTRICT

SPECIAL APPROVAL STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

UNION OIL COMPANY OF CALIFORNIA
No. 1 North Barclay Federal
SW¹/₄ NW¹/₄ sec. 26, T. 22S., R. 31E.
Eddy County, New Mexico
Lease No. NM-21505

THE SPECIAL STIPULATIONS CHECK MARKED BELOW ARE APPLICABLE TO THE ABOVE-DESCRIBED WELL AND APPROVAL OF THIS APPLICATION TO DRILL IS CONDITIONED UPON COMPLIANCE WITH SUCH STIPULATIONS IN ADDITION TO THE GENERAL REQUIREMENTS. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 30 CFR 290.

☒ A. The Minerals Management Service office is to be notified at:

☐ (505) 622-1332 Roswell

☒ (505) 756-9838 Artesia

☐ (505) 393-5146 Hobbs

in sufficient time for a representative to witness:

☒ 1. Spudding

☒ 2. Cementing casing

13³/₈ inch

10⁵/₈ inch

7⁵/₈ inch

☐ 3. BOP tests

☒ B. At least one working day prior to constructing the well pad, access roads and/or related facilities, the operator or dirt contractor shall notify the authorized officer of the surface management agency. The surface management agency may be contacted at:

☒ BLM phone (505) 887-6544 Carlsbad, New Mexico

☐ BLM phone (505) 622-7670 Roswell, New Mexico

☐

He shall also notify the surface management agency within two working days after completion of earth-moving activities.

☒ C. Roads in the area of operation of this authorization will require surfacing.

☒ D. 13³/₈ surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth, the 10⁵/₈ casing must be cemented from the casing shoe to the surface or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler after cementing around the shoe with sufficient cement to fill to the base of the salt section.

☒ E. Before drilling below the 10⁵/₈ casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.

☒ F. Minimum required fill of cement behind the 10⁵/₈ casing is to CIRCULATED TO SURFACE

☒ G. After setting the 10³/₈ casing string and before drilling into the CUER K CAM 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.

☒ H. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the WOLF CANYON 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.

☒ I. A kelly cock will be installed and maintained in operable condition.

☐ J. A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the Minerals Management Service, P.O. Box 26124, Albuquerque, New Mexico 87125. The effective date of the agreement must be prior to any sales.

☒ K. Above ground structures, not subject to applicable safety requirements shall be painted. The paint color is to simulate:

- ☒ Sandstone Brown, Fed. Std. 595-20318 or 30318
- ☐ Sagebrush Gray, Fed. Std. 595-26357 or 36357
- ☐ _____

☒ L. A Gamma Ray-Compensated Neutron log is required from the base of the salt section to the surface with cable speed not to exceed 30 feet per minute.

M. Rehabilitation

☒ At least 3 working days prior to commencing any of the following rehabilitation activities, the operator shall notify the appropriate surface managing agency, shown in part B.

☒ 1. Upon the conclusion of drilling and completion operations when mud pits are dry they will be leveled, plastic will be removed and area reseeded with mixture No. #2 shown on last page of General Requirements.

☒ 2. Following the down-hole plugging and abandonment of all operation:

☒ a. The drill pad and 4300 ^{feet} ~~miles~~ of access road shall be ripped to a minimum of 12" in depth. Ripping shall be on the contour with rips being approximately 3 feet or less apart.

☒ b. The drill site and 4300 ^{feet} ~~miles~~ of access road will be reseeded with mixture No. #2 shown on the last page of the General Requirements.

☒ c. All ripped surfaces are to be protected from vehicular travel by constructing a dead-end ditch and earthen barricade at the entrance to these ripped areas. The barricade is to be constructed using spoil material from the ditch and should be of sufficient magnitude to discourage vehicle entry.

☐ d. Private Surface: Abandonment stipulations to coincide with operator-landowner agreement. (Where no agreement exists, BLM will be requested to provide abandonment stipulations.)

☒ e. The surface location is to be cleaned and leveled.

☒ 3. Modifications in the rehabilitation stipulations made necessary by unforeseen circumstances or improvements in rehabilitation methods may be made when the Notice of Intention to Abandon is filed.

☒ N. Other: See special stipulations requested by Dept. of Energy on attached letter.



Department of Energy
Albuquerque Operations Office
P.O. Box 5400
Albuquerque, New Mexico 87115

is put up/
take appropriate
action
Clark
Sc

JUL 29 1982

Mr. G. B. Koski
Area Manager
Bureau of Land Management
P. O. Box 1778
Carlsbad, NM 88220

Dear Mr. Koski:

Application to Drill No. 1 N Barclay Federal

Reference: L. M. Hollis' letter of July 13, 1982, requesting our position on the application to drill No. 1 N Barclay Federal.

As you know, we are in the process of revising our interim policy regarding resource recovery at the WIPP Site to allow resource exploration and extraction within Control Zone IV (the outer one-mile buffer zone of the site). However, to insure that all necessary steps are taken to protect the integrity of the underground storage facility and obtain available data on the stratigraphy of the site area, the DOE requests that the following stipulations be included:

1. Provide two copies of any geophysical logs of the borehole. We are primarily interested in that portion of the stratigraphic section above the Delaware Mountain Group to the surface.
2. If production stimulation or secondary recovery operations are planned, provide such plans to DOE for review so that any potential effects on the storage facility horizon can be evaluated.

I recognize the proprietary nature of hydrocarbon exploration plans and assure you that the confidentiality of such plans will be protected.

Mr. G. B. Koski

- 2 -

Your cooperation is appreciated and should you have any questions concerning this or related matters, please contact me or Roger Dintaman of my staff (505/766-3884).

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. M. McGough', written in a cursive style.

J. M. McGough
Project Manager
WIPP Project Office

WIPP:JMM 82-0483

cc:
George Steward, Minerals Management Service
Mary Wilson, OCC, AL
G. L. Hohmann, TSC
C. C. Little, TSC
BLM File, IEA

United States Department of the Interior
 Mineral Management Service
 P. O. Drawer 1857
 Roswell, New Mexico 88201

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Union Oil Co. of Cal., 1-N. Barclay Rd.
 Project Type Drill development natural gas well
 Project Location 28 miles E of Carlsbad, N.M., (SW 1/4 NW 1/4) 1980 FNL
460 FNL, sec. 26, T22S, R31E, Eddy Co.
 Lease Number NM 21505
 Date Project Submitted July 9, 1982

FIELD INSPECTION

Date July 16, 1982

Field Inspection
 Participants

B.W. Dickey MMS

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A.	Federal or State Agency			Local and Private Correspondence	Previous NEPA documents	Other Studies and Reports	Staff Expertise	Onsite Inspection (date)	Other
	Correspondence	Phone Calls	Meetings						
1. Public health and Safety	BLM 8-6-82				1,8	2,3,4	2	7-16-82	
2. Unique Characteristics	BLM 8-6-82				1,8	3,4,5,6	2	7-16-82	Potash
3. Environmentally Controversial	BLM 8-6-82				1,8	3,4,5	2	7-16-82	
4. Uncertain and Unknown Risks	BLM 8-6-82				1,8	2,3,4	2	7-16-82	
5. Establishes Precedent					1,8	2,3	2	7-16-82	
6. Cumulatively Significant					1,8	2,3	2	7-16-82	
7. National Register Historic Places	BLM 8-6-82				8	5			
8. Endangered or Threatened Species	BLM 8-6-82				8	5			
9. Violate Federal, State, Local or Tribal Laws						2,5,7	2	7-16-82	

July 16, 1982
 Date Prepared

B.W. Dickey
 Signature of Preparer

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

8-16-82
 Date

for Georgetown Stewart
 District Supervisor

References:

1. Roswell Bureau of Land Management Environmental Assessment NM 060 80 071 for Oil and Gas Leasing
2. APD- Application for Permit to Drill, Form 9-331 C and drilling plan
3. Operator's Surface Use Plan
4. Resource Evaluation memorandum
5. Bureau of Land Management no effects memorandum and concurrence, and applicable standard and/or special stipulations.
6. Archeological Report
7. USGS General Requirements for Oil and Gas operations on Federal leases
8. Related Environmental Assessments A-80-239
9. USGS Mining Branch, Carlsbad NM

505 Marquette NW
Suite 815
Albuquerque, New Mexico 87125

26 AUG 1982

RECEIVED

AUG 27 1982

O. C. D.
ARTESIA OFFICE

Union Oil Company of California
P. O. Box 761
Midland, Texas 79702

Dear Sir:

Your application for Permit to Drill well No. 1 North Barclay Federal in the SW¹/₄ sec. 26, T. 22S., R. 31E., Eddy County, New Mexico, lease NM-21505, to a depth of 15,100 feet to test the Morrow formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Supervisor, Minerals Management Service, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(Orig. Signed) - Michael F. Reitz

FOR

Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

cc:

NMOCD (2)
BLM - Carlsbad
MM, SCR
LMM - Mining (2)
Regional Files
Roswell District Files
✓ Artesia Sub-district
Suspense File
ARF
RCF

JAGillham/ml1/8-17-82