

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

c/SF

30-005-61560

5. LEASE DESIGNATION AND SERIAL NO.

NM 9813

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Alkali "LK" Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

X Pecos Slope Abo

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

Sec. 11-T6S-R25E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

12. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

207 S. 4th, Artesia, New Mexico 88210

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

At surface

990' FNL and 1650' FWL

At proposed prod. zone

same

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

Approximately 33 miles NNE of Roswell, NM.

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

19. PROPOSED DEPTH

4225'

20. ROTARY OR CABLE TOOLS

Rotary

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

3886.8 GL

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

RECEIVED

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.5# J-55	900'	600 sx circulated
7 7/8"	4 1/2"	9.5#	TD	350 sx

APR 26 1982

O. C. D.
ARTESIA, OFFICE

We propose to drill and test the Abo and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 8 5/8" intermediate casing will be run to 1500' and cemented with enough cement calculated to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforate, and stimulate as needed for production.

MUD PROGRAM: FW gel and LCM to 900'; Brine to 3500', Brine and KCl water to TD.

BOP PROGRAM: BOP's will be installed at the offset and tested daily.

GAS NOT DEDICATED.

RECEIVED
MAR 20 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 way out preventive program, if any.

24.

SIGNED

TITLE Regulatory Coordinator

DATE 3/25/82

(This space for Federal or State Approval)

PERMIT NO.

(O.C.D.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APR 22 1982

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

4680

Posted ID-1
API + NL Book
4-30-82

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.

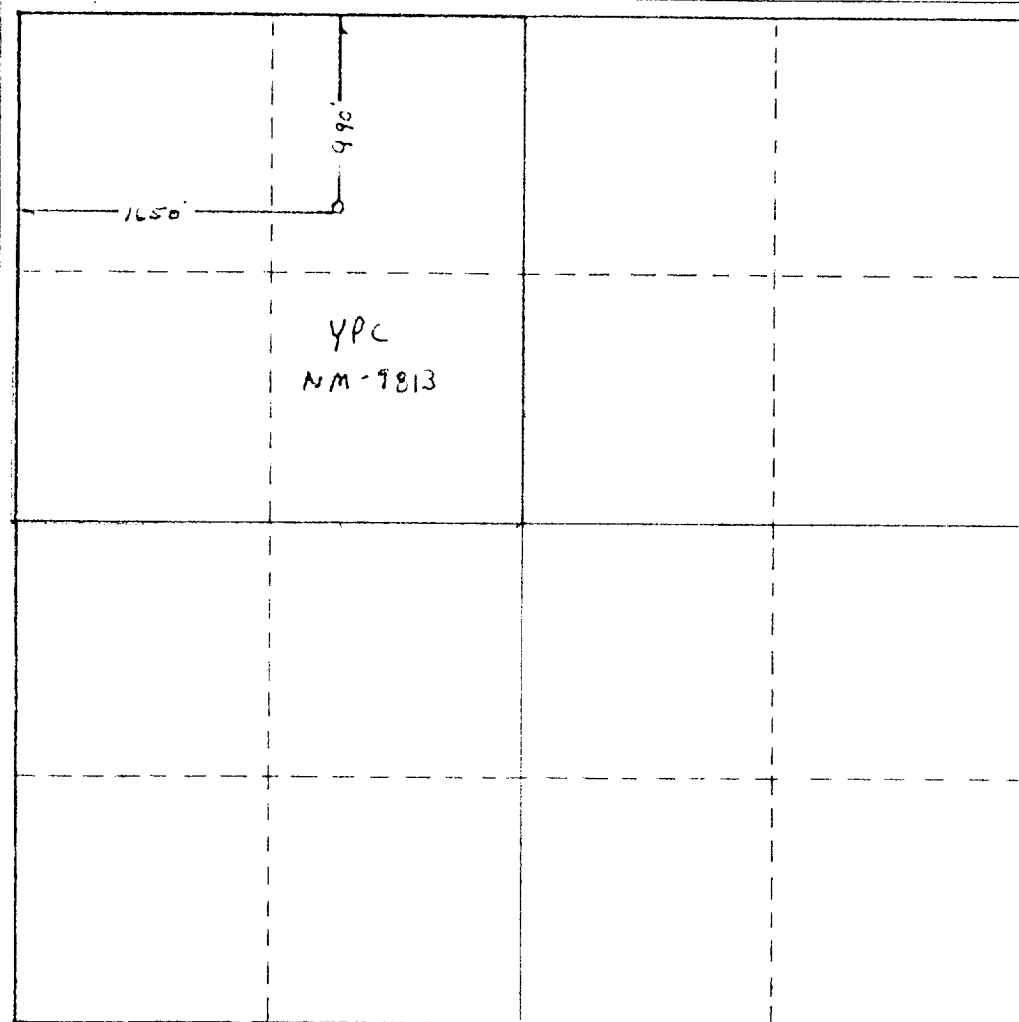
Operator YATES PETROLEUM CORPORATION			Lease South Alkali "LK" Federal		Well No. 4
Unit Letter C	Section 11	Township 6 South	Range 25 East	County Chaves	
Actual Footage Location of Well: 990 feet from the North line and 1650 feet from the West line					
Ground Level Elev. 3886.8	Producing Formation Abo		Pool Pecos Slope Abo		Dedicated Acreage: 160 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.

Ken Beardemphl

Name

Ken Beardemphl

Position

Regulatory Coordinator

Company

Yates Petroleum Corporation

Date

3/25/82

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

March 22, 1982

Registered Professional Engineer and/or Land Surveyor

Gary L. Jones

Certificate No.

7977



YATES PETROLEUM CORPORATION

th Alkali "LK" Federal #4660' FNL and 1980' FWLChaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements.

1. The geologic surface formation is sandy alluvium.
2. The estimated tops of geologic markers are as follows:

San Andres	550'
Glorieta	1584'
Fullerton	2990'
Abo	3637'
TD	4225'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 250-300'

Oil or Gas: Abo 4265'

4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit B.
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment;
sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging and Coring Program:

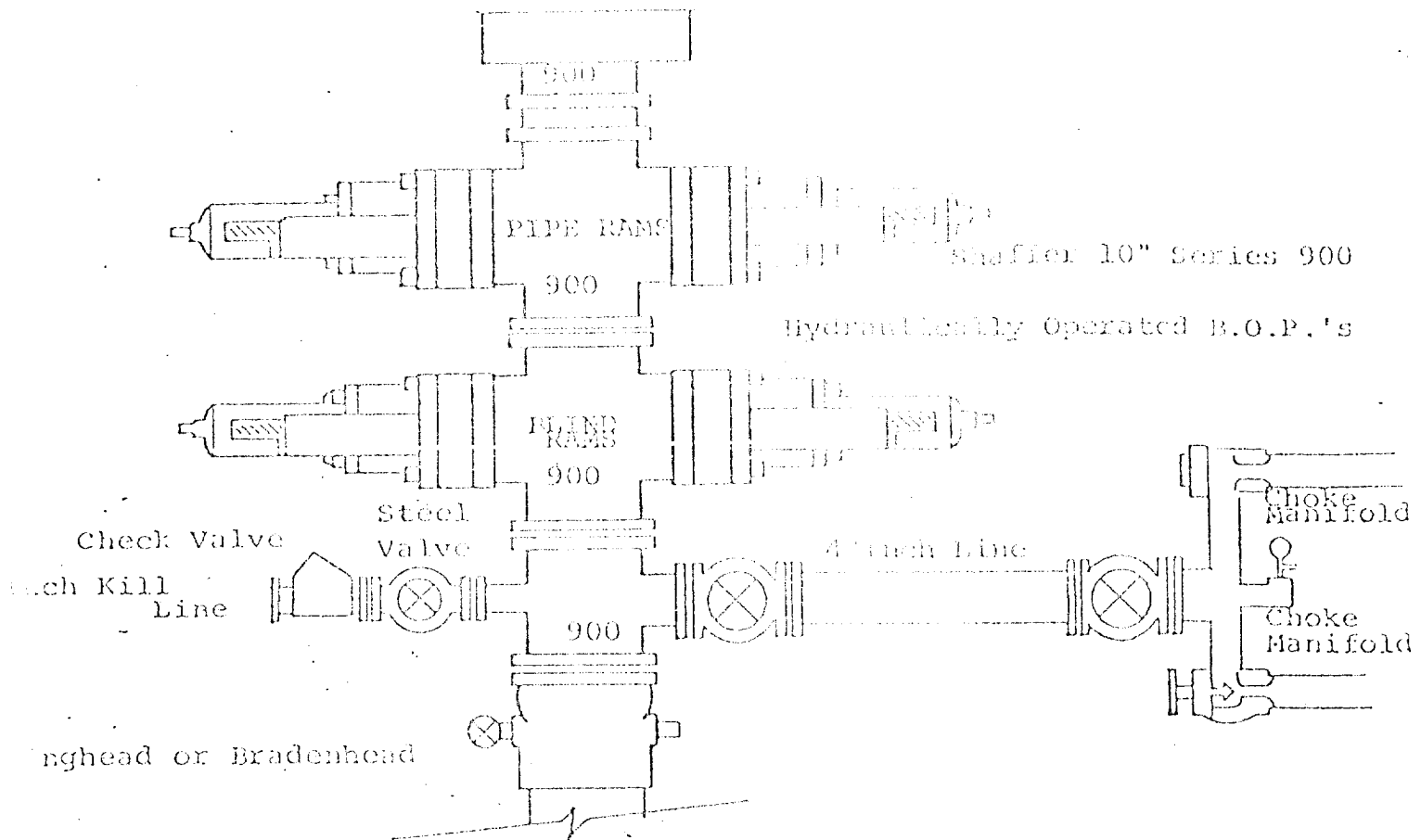
Samples: Surface casing to TD

DST's: As warranted

Coring: None

Logging: CNL-FDC TD to casing with GR-CNL on up to surface and DLL from TD to casing w/RxO.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

EXHIBIT B



FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
- Choke outlet to be a minimum of 4" diameter.
- Kill line to be of all steel construction of 2" minimum diameter.
- All connections from operating manifolds to preventers to be all steel, hole or tube a minimum of one inch in diameter.
- The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
- All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
- Inside blowout preventer to be available on rig floor.
- Operating controls located a safe distance from the rig floor.
- Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
- D. P. float must be installed and used below zone of first gas intrusion.

YATES PETROLEUM CORPORATION

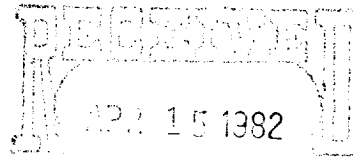




207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1331

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS



U.S. GEO. SURVEY
ROSWELL, NEW MEXICO

April 13, 1982

George Stewart
Minerals Management Service
Federal Building
Roswell, New Mexico 88210

Re: South Alkali "LK"
Federal #4

Dear Mr. Stewart:

Yates Petroleum Corporation is submitting an application to drill a well on surface patented to Corn Brothers, Inc., Dunlap Star Route, Roswell, New Mexico 88201. This well will be located 990' FNL and 1650' FWL of Section 11-T6S-R25E in Chaves County.

In a telephone conversation with Mr. Corn, it was agreed that we would compensate him monetarily for the surface damaged in drilling this well. Also, that in the event of a dry hole, we would rip the road. The pit areas will be leveled after they are dry and along with the pad will be left to reseed naturally.

Sincerely,


Ken Beardemphl
Regulatory Coordinator
YATES PETROLEUM CORPORATION

KB/dw