

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 ☐

2. NAME OF OPERATOR

Dickson Petroleum ✓

3. ADDRESS OF OPERATOR

P.O. Box 50160, Midland, Texas 79701

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

At surface 830'
990' FSL & 930' FWL of Section
At proposed prod. zone

Same

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

3 miles North-northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)330
(330)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

40

19. PROPOSED DEPTH

4000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3704 G.L.

22. APPROX. DATE WORK WILL START*

July 10, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	Sufficient to circulate
7 7/8"	4 1/2 or 5 1/2	10.5 or 15.5	4000'	300 Sacks

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location and Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

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 Chuck Moya TITLE Agent DATE 6/11/85

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY J. MendenhallTITLE Asst. Dir.DATE 7-23-85CONDITIONS OF APPROVAL, IF ANY: CG

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

AMENDED

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

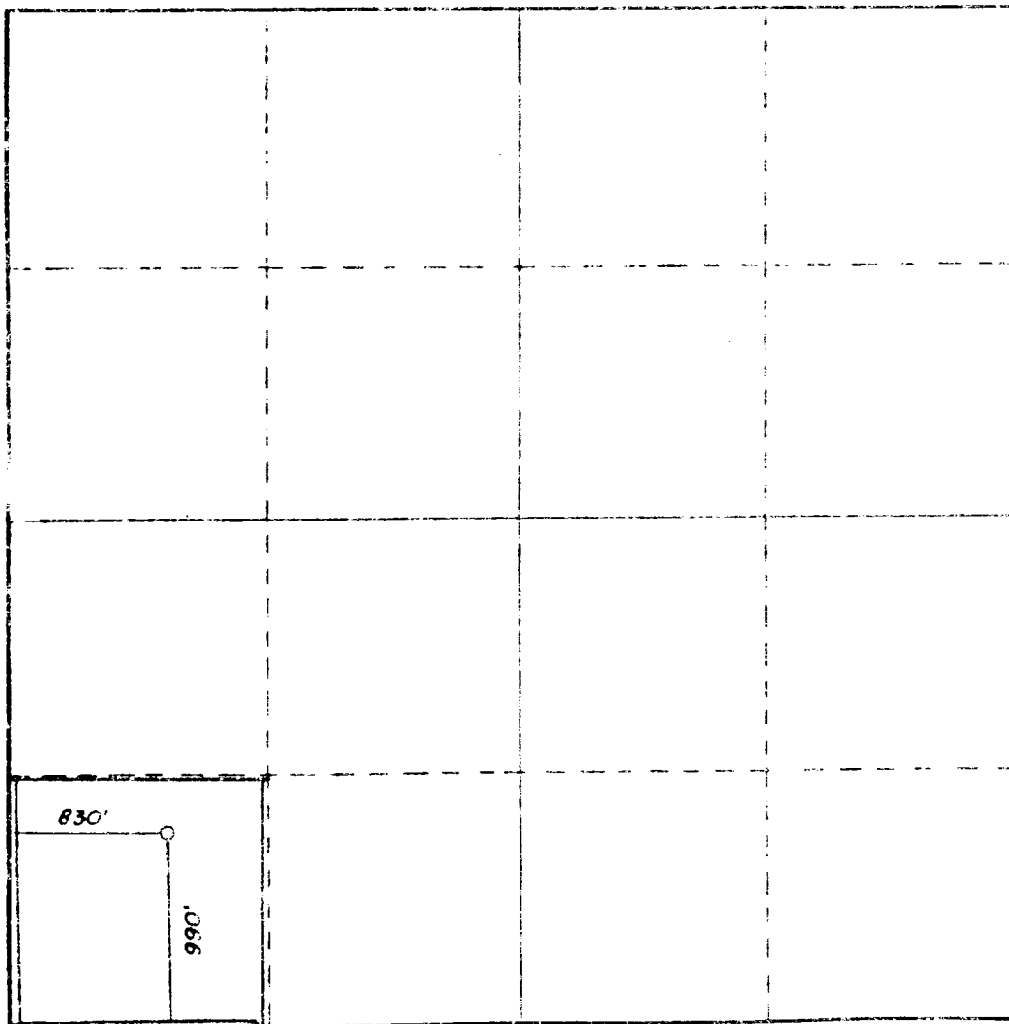
Operator DICKSON PETROLEUM INC.		Lease HOLLEY B FEDERAL		Well No. 1
Unit Letter M	Section 4	Township 17 SOUTH	Range 30 EAST	County EDDY
Actual Footage Location of Well: 990 feet from the SOUTH line and 830 feet from the WEST line				
Ground Level Elev. 3704.	Producing Formation Grayburg San Andres	Pool Square Lake-Gr.-San Andres	Dedicated Acreage: 40 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 allotable 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.

Chuck Morgan

Name
Chuck Morgan

Position
Agent

Company
Dickson Petroleum

Date
July 15, 1985

DAN R. PEDDY
NEW MEXICO
I hereby certify that the well location shown on this plat was plotted from field notes of **5412** surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.
REGISTERED PROFESSIONAL ENGINEER

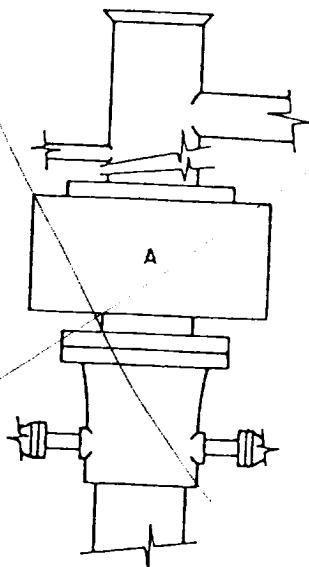
Date Surveyed
JULY 1, 1985

Registered Professional Engineer
and of Land Surveyor

[Signature]

Certificate No.
NM PE and LS NO. 5412

BLOWOUT PREVENTER ARRANGEMENT
DICKSON PETROLEUM
WELL #1 HOLLEY B FEDERAL
SW/4 SW/4 SECTION 4-17S-30E
EDDY COUNTY, NEW MEXICO



ARRANGEMENT A

S/b double ram

SUPPLEMENTAL DRILLING DATA

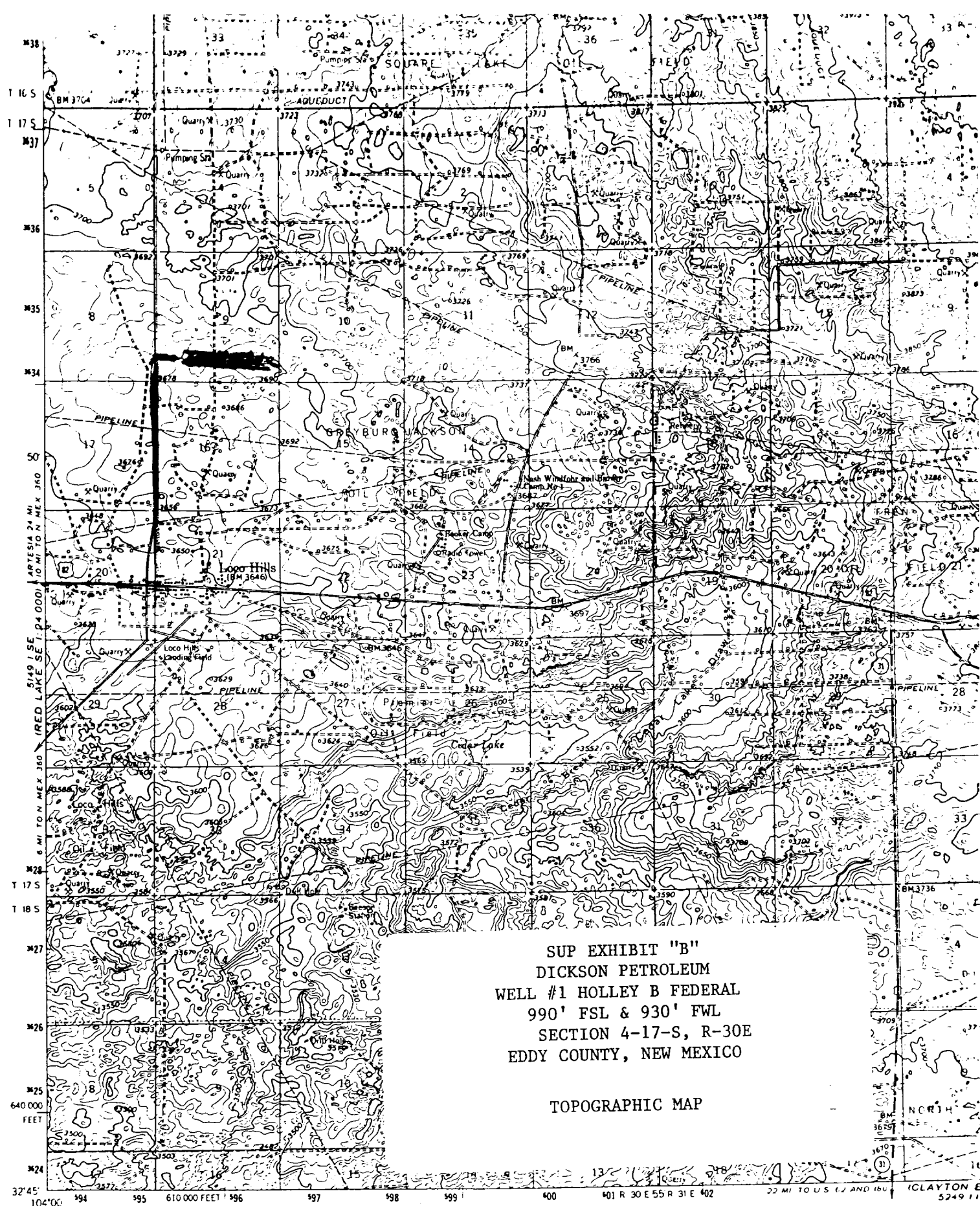
DICKSON PETROLEUM
WELL #1 HOLLEY B FEDERAL
SW/4 SW/4 SECTION 4-17S-30E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Alluvial Sand
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Seven Rivers	1410'
Queen	2010'
Grayburg	2400'
San Andres	2740'
3. ANTICIPATED POROSITY ZONES:

Water:	Above 300'
Oil:	1400' - 3500'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 350'	24.0#	J-55	STC
4 1/2" - 5 1/2"	0 - 4000'	10.5 or 15.5	J-55	STC
5. SURFACE CONTROL EQUIPMENT: A double ram-type ~~or annular BOP~~ will be used.
6. CIRCULATING MEDIUM: Fresh water will be used on the surface. Brine water conditioned as necessary will be used from 350' to T.D.
7. AUXILIARY EQUIPMENT: None necessary.
8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED STARTING DATE: Operations are scheduled to commence about July 10, 1985.



SUP EXHIBIT "B"
DICKSON PETROLEUM
WELL #1 HOLLEY B FEDERAL
990' FSL & 930' FWL
SECTION 4-17-S, R-30E
EDDY COUNTY, NEW MEXICO

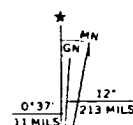
TOPOGRAPHIC MAP

Mapped, edited, and published by the Geological Survey
Contract, USGS and USC&GS

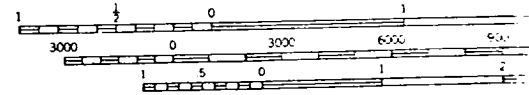
Planimetry, by photogrammetric methods from aerial photographs taken 1957. Topography, by planetable surveys 1963.

Polyconic projection, 1927 North American datum
10,000 foot grid based on New Mexico coordinate system, east zone
1000 meter Universal Transverse Mercator grid ticks
zone 13 shown in blue

To place on the predicted North American Datum 1983 move the projection lines 8 meters south and 47 meters east



UTM GR-5 AND 1963 MAGNETIC NORTH



CONTOUR INTERVAL
NATIONAL GEODETIC VERTIC.

THIS MAP COMPLIES WITH NATIONAL

SUP EXHIBIT "E"
SKETCH OF WELL PAD
DICKSON PETROLEUM
WELL #1 HOLLEY B FEDERAL
990' FSL & 930' FWL
SECTION 4-17S-30E
EDDY COUNTY, NEW MEXICO

