

RECEIVED BY

(May 1985)

JUL 3 1985

NM G. L. 100-100000

Drawn by

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SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-25327

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

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

2270' FNL & 330' FWL of Section

Unit E

At proposed prod. zone

(SW/4 NW/4)

Same

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

4.8 air mile North-northwest of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

330'

(330')

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

None

19. PROPOSED DEPTH

4000' (San Andres)

20. ROTARY OR CABLE TOOLS

Rotary

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

3695' 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 - 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

TITLE

Agent

DATE

6/11/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

7-2-85

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

Part of 101
API & NY
7-12-85

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.

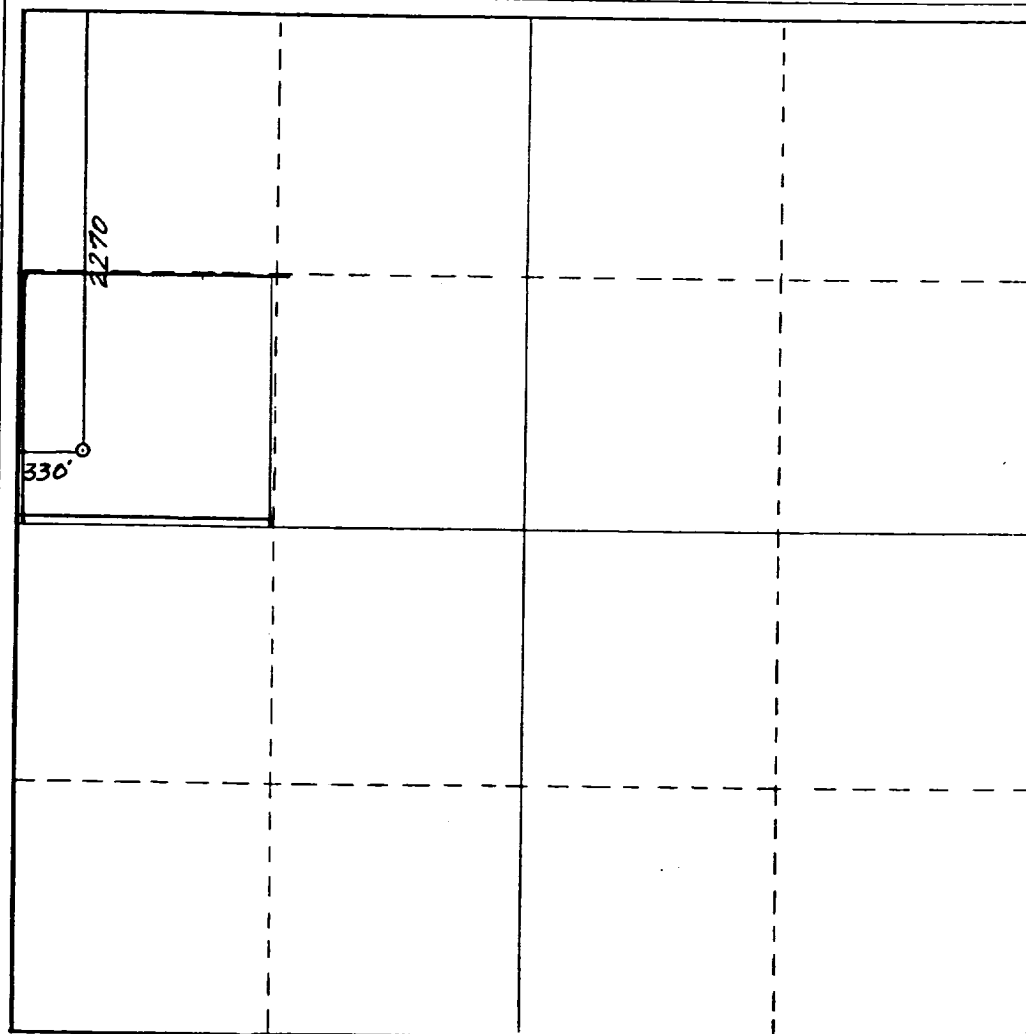
Operator DICKSON PETROLEUM			Lease Holley A Federal			Well No. 1		
Unit Letter E	Section 31	Township 16 South		Range 30 East	County Eddy			
Actual Footage Location of Well: 2270 feet from the North line and 330 feet from the West line								
Ground Level Elev. 3695.		Producing Formation Grayburg-San Andres			Pool Square Lake-Grayburg-San Andres		Dedicated Acreage: 40 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.

Chuck Morgan

Name
Chuck Morgan

Position
Agent

Company
Dickson Petroleum

Date
June 11, 1985

DAN R. REDDY
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
I hereby certify that the well location shown on this plat was plotted from field notes of a 5442 survey made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed
June 8, 1985

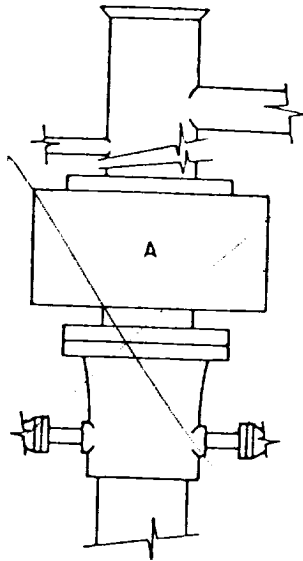
Registered Professional Engineer
and/or Land Surveyor

Dan R. Reddy

Certificate No.
NM PE&LS NO. 5412



BLOWOUT PREVENTER ARRANGEMENT
DICKSON PETROLEUM
WELL #1 HOLLEY A FEDERAL
SW/4 NW/4 SECTION 31-16S-30E
EDDY COUNTY, NEW MEXICO



ARRANGEMENT A

5/6 annular ram

SUPPLEMENTAL DRILLING DATA

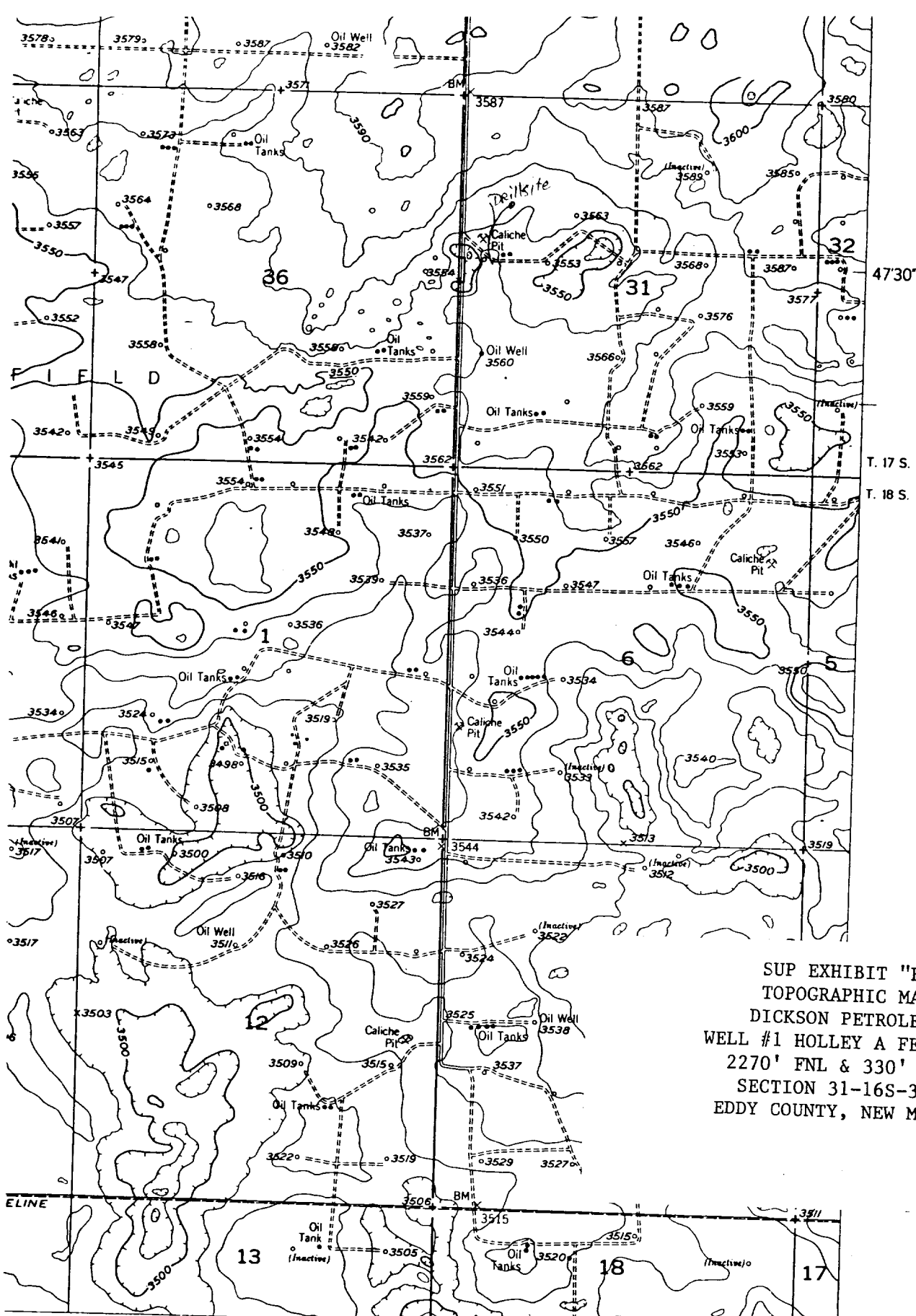
DICKSON PETROLEUM
WELL #1 HOLLEY A FEDERAL
SW/4 NW/4 SECTION 31-16S-30E
EDDY COUNTY, NEW MEXICO

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

Seven Rivers	1540'
Queen	2150'
Grayburg	2555'
San Andres	2880'
3. ANTICIPATED POROSITY ZONES:

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

Size	Interval	Weight	Grade	Joint
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"
 TOPOGRAPHIC MAP
 DICKSON PETROLEUM
 WELL #1 HOLLEY A FEDERAL
 2270' FNL & 330' FWL
 SECTION 31-16S-30E
 EDDY COUNTY, NEW MEXICO

R. 29 E. R. 30 E. INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. - 1936-NS
 M R-2406

ROAD CLASSIFICATION

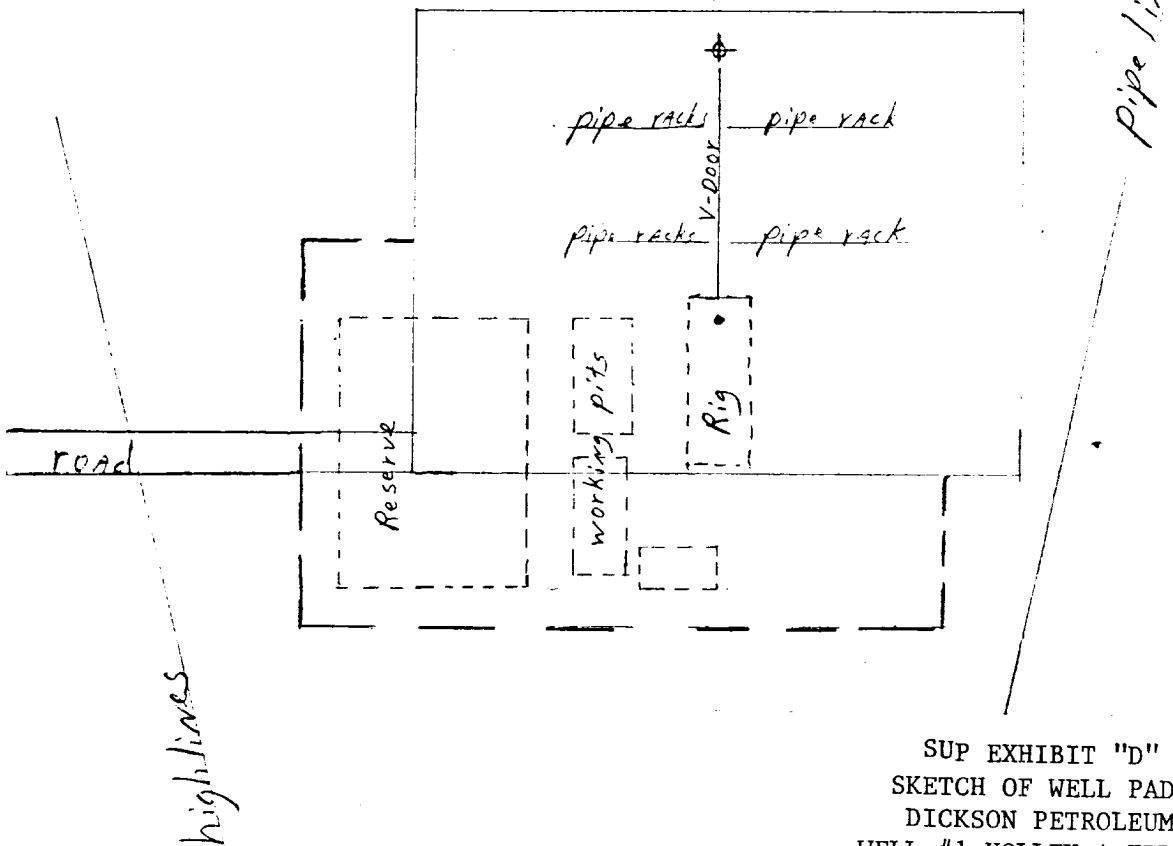
- | | | | |
|-------------|-------|-----------------|-------|
| Heavy-duty | ————— | Light-duty | ————— |
| Medium-duty | ————— | Unimproved dirt | ----- |
| U. S. Route | | State Route | |



(CLAYTON BASIN)
 1:62500



existing pad
Additional new pad



SUP EXHIBIT "D"
SKETCH OF WELL PAD
DICKSON PETROLEUM
WELL #1 HOLLEY A FEDERAL
2270' FNL & 330' FWL
SECTION 31-16S-30E
EDDY COUNTY, NEW MEXICO