

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-028731 (A)
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Marbob Energy Corporation		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Drawer 217, Artesia, N.M. 88210		8. FARM OR LEASE NAME M. Dodd "A"
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.) At surface 1650 FNL 1370 FEL At proposed prod. zone Same		9. WELL NO. 29
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 air miles East of Artesia, N.M. 88210		10. FIELD AND POOL, OR WILDCAT Grayburg Jackson
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1370'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22-T17S-R29E
16. NO. OF ACRES IN LEASE 600		12. COUNTY OR PARISH 13. STATE Eddy N.M.
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. 650'		20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 3450'		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3573.1' GR		22. APPROX. DATE WORK WILL START* 2/1/84

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"	5 1/2"	15.50#	3450'	450 sax, to base of salt

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

Attached are: 1. Location & acreage dedication plat
2. Supplemental drilling data
3. Surface use plan

RECEIVED

JAN 27 1984

OIL & GAS

ROSWELL, NEW MEXICO

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 Carolyn Orris TITLE Production Clerk DATE 1/26/84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY S/Richard Bastin TITLE ASSOCIATE DISTRICT MANAGER DATE JAN 30 1984
CONDITIONS OF APPROVAL, IF ANY:

SUBJECT TO THE
APPROVAL BY STATE

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

**N 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.

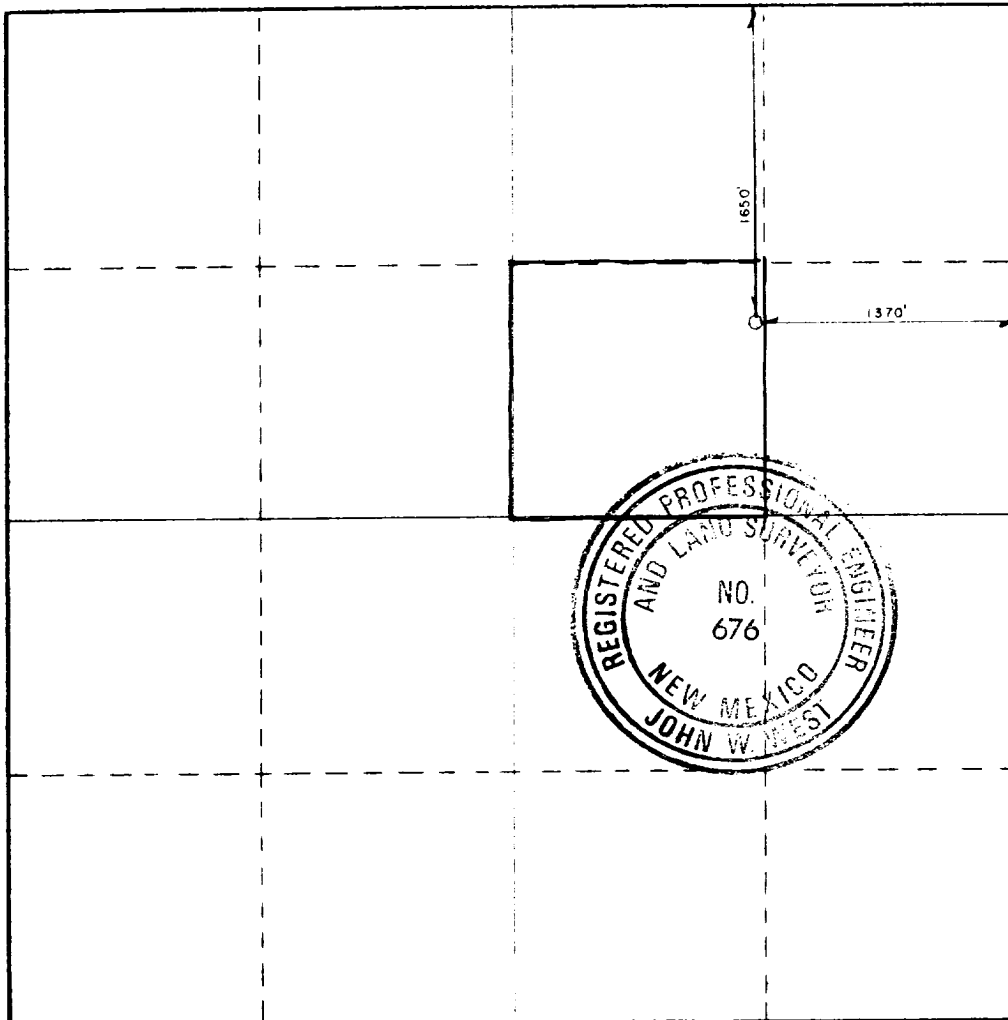
Operator MARBOB ENERGY CORP.			Lease M. DODD "A"		Well No. 29
Post Letter G	Section 22	Township 17S	Range 29E	County EDDY	
Actual Footage Location of Well:					
1650 feet from the NORTH line and		1370 feet from the EAST line			
Ground Level Elev. 3573.1	Producing Formation San Andres	Pool Grayburg Jackson - <i>SR-B-G-SA</i>		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.

Carolyn Orris by Raye Miller

Name
Carolyn Orris

Position
Production Clerk

Company
Marbob Energy Corp.

Date
1/26/84

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
12/12/83

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No.
N.M. P.E. & L.S. NO. 676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #29 M. DODD "A" FEDERAL
SW1/4NE1/4 SEC. 22-17S-29E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	360'	Queen	1815'
Base Salt	780'	Grayburg	2140'
Yates	930'	San Andres	2510'
Seven Rivers	1145'	Glorietta	3900'

3. ANTICIPATED POROSITY ZONES:

Water	Above 180'
Oil	2350 - 3450

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-350'	24.0#	K-55	STC	New
5 1/2"	0-3450	15.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type ~~or annular~~ BOP will be used.

6. CIRCULATING MEDIUM:

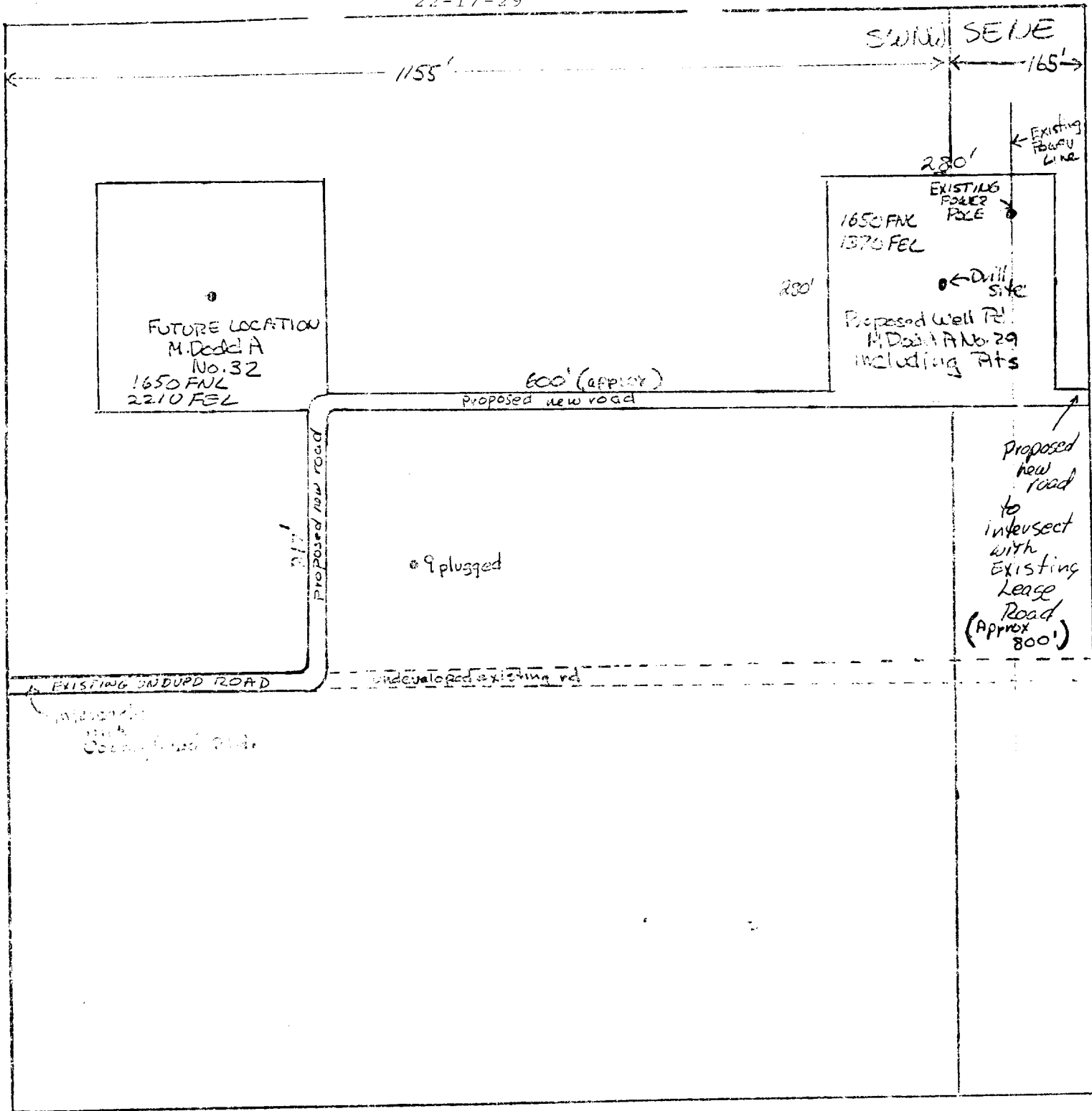
0 - 350'	Fresh water mud with gel or lime as needed for viscosity control.
350' - 3450	Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about February 1, 1984. Duration of drilling, testing and completion operations should be one to four weeks.



LEGEND
(1 cm = 50 ft)

Primary Line
Proposed Line

SUP Exhibit "E"

SKETCH OF ELECTRIC POWER
LINES AND NEW ROAD
Marbob Energy Corporation
Well #29 M. Dodd A Federal
SW 1/4 Sec. 22-17S-29E