30-015-24900

Form 9-331 C
(May 1963)

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY
JUN 07 1984
O. C. D.
ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: LC-028731(B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: M. Dodd "B"

9. WELL NO.: 41

10. FIELD AND POOL, OR WILDCAT: Grayburg Jackson SR-Q-G-SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 14-T17S-R29E

12. COUNTY OR PARISH: Eddy

13. STATE: N.M.

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Marbob Energy Corporation

3. ADDRESS OF OPERATOR: P.O. Drawer 217, Artesia, N.M. 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2615 FNL 330 FEL
At proposed prod. zone: Same

wt. 4

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 20 air miles east of Artesia, N.M. 88210

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 330'

16. NO. OF ACRES IN LEASE: 1480

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.: 1320'

19. PROPOSED DEPTH: 3450'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3616.5'

22. APPROX. DATE WORK WILL START*: 6/15/84

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

Nomenclature
SR-Q-G-SA
6-22-84

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

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

RECEIVED
MAY 30 1984
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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 Orrs TITLE Production Clerk DATE 5/30/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE AREA MANAGER CARLSBAD RESOURCE AREA DATE 6-6-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

*See Instructions On Reverse Side

NSL-1831 Appr. 6-8-84

I MEXICO OIL CONSERVATION COMMIS N

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	Lease	Well No.
MARBOB ENERGY CORP.	M DODD "B"	41

Unit Letter	Section	Township	Range	County
H	14	17S	29E	EDDY

Actual Footage Location of Well:
2615 feet from the NORTH line and 330 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3616.5	*San Andres*	*Grayburg Jackson SR-Q-G-SA*	*40* Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

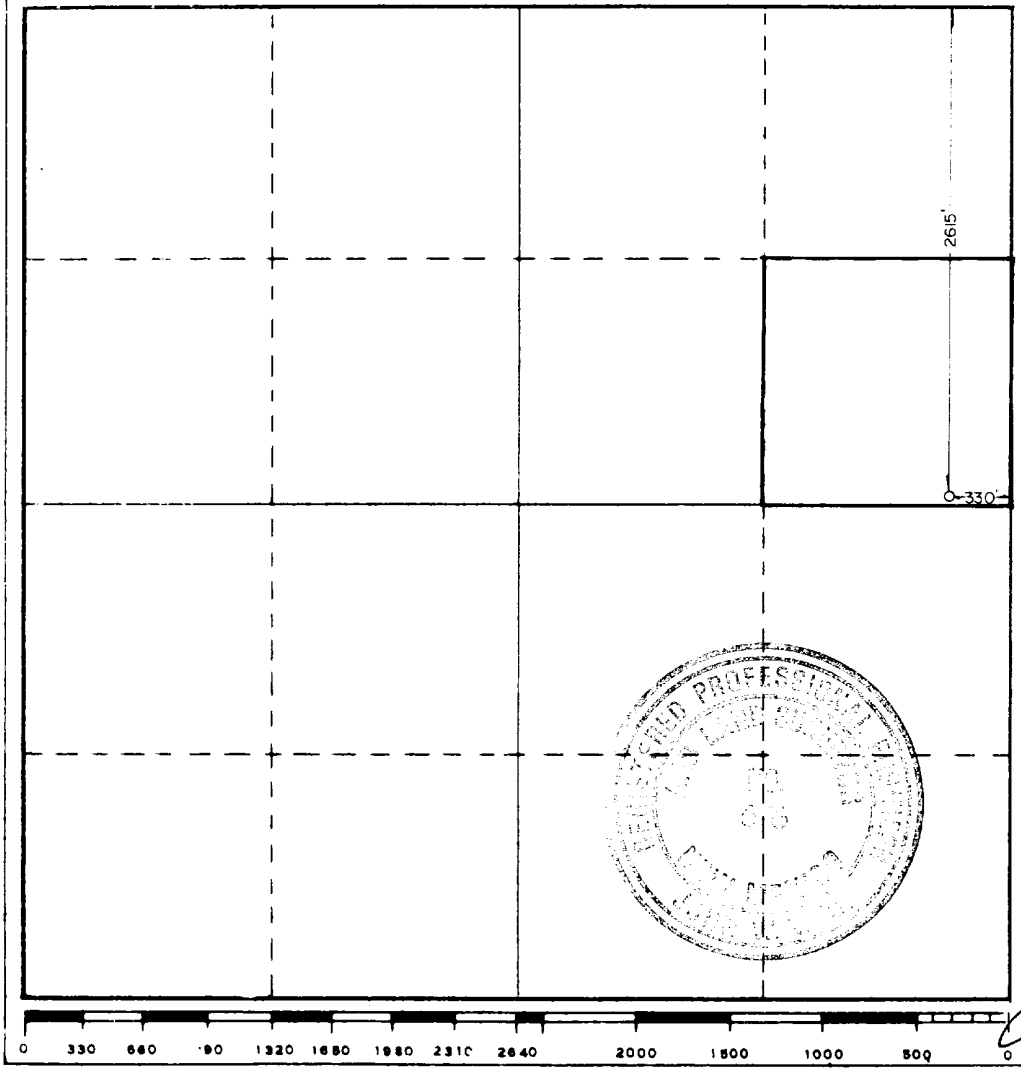
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

Name: *Carolyn Orris*

Position: *Production Clerk*

Company: *Marbob Energy Corp.*

Date: *5/24/84*

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: 3/22/84

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

EXHIBIT E

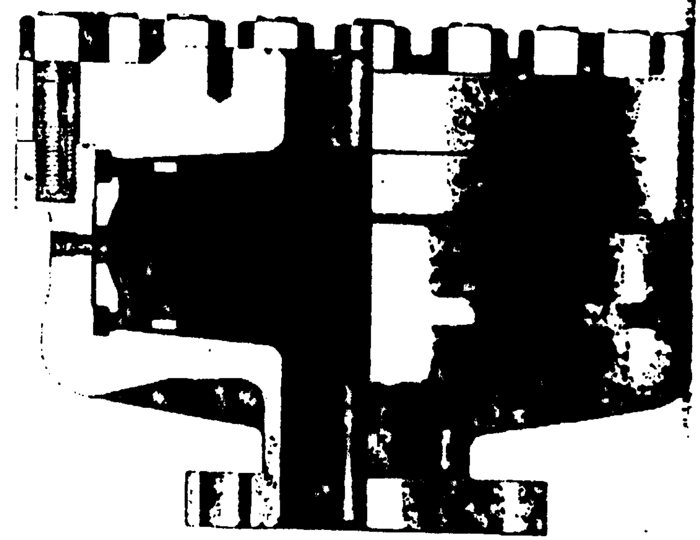
REGAN OFFSHORE INTERNATIONAL, INC.

Torrance,

ANNULAR

REGAN BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 3000 PSI working pressure



TORUS BLOWOUT PREVENTER
PATENTED

DESIGN FEATURES

a. The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.

b. The rubber packer will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner bore.

c. The packer will seal on open hole at full working pressure.

d. The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the well bore. Under ordinary service, the outer packer is rarely replaced

SPECIFICATIONS

Nominal Size	Test Pressure (psi)	DIMENSIONS (In.) Outside Diameter	Thru Bore	Overall Height	Weight (lb.)	End Flanges (1)	R/RX Ring Grooves	Side Outlet
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	None
	6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	2" L.P.
8	3000	[illegible]	9	25	[illegible]	[illegible]	[illegible]	None

1. [illegible]

SUP Exhibit E

REGAN BLOWOUT PREVENTER

Marbob Energy Corporation

Well #41 M. Dodd "B" Federal
SE¼NE¼ Sec. 14-17S-29E

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL # 41 M. DODD "B" FEDERAL
SE1/4NE1/4 SECTION 14-17-29E
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. (See diagram attached as Exhibit "E")

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.

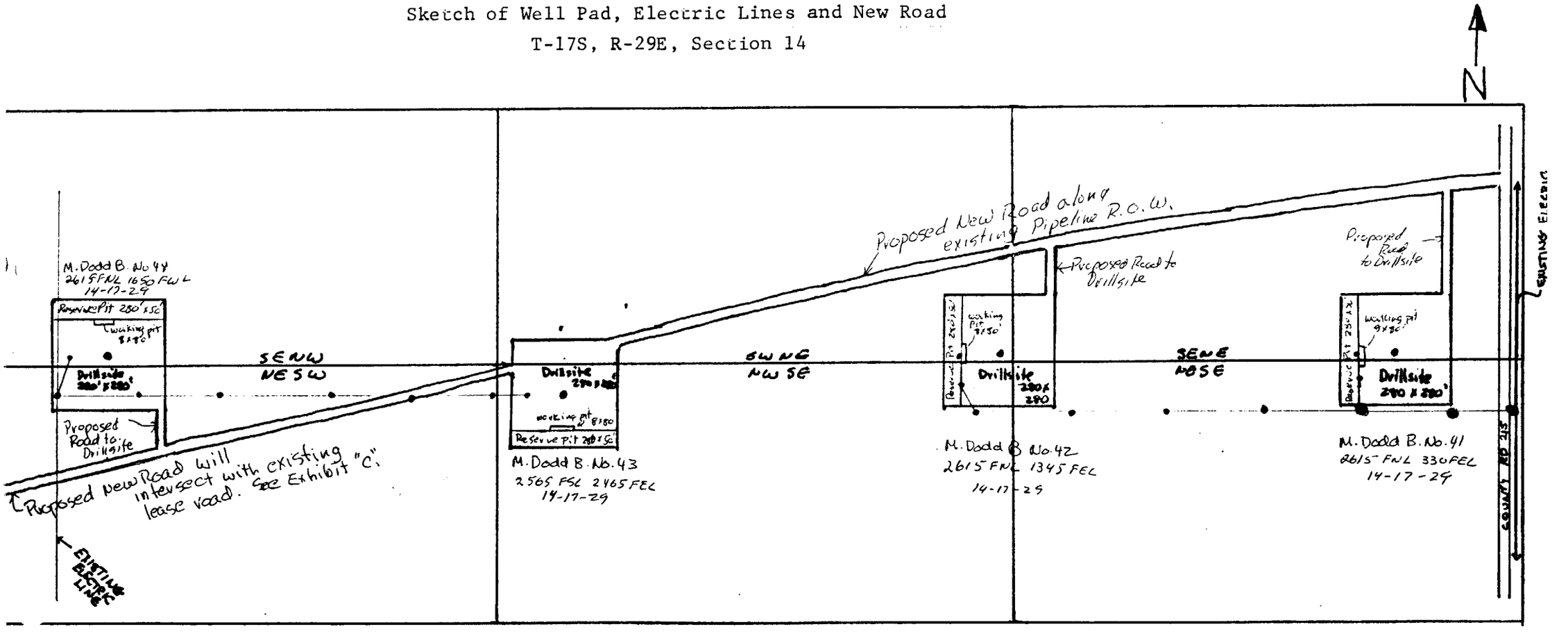
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about June 15, 1984. Duration of drilling, testing and completion operations should be one to four weeks.

EXHIBIT "D"

Sketch of Well Pad, Electric Lines and New Road

T-17S, R-29E, Section 14



cm= 116.47'
(prior to reduction)

roposed Powerline

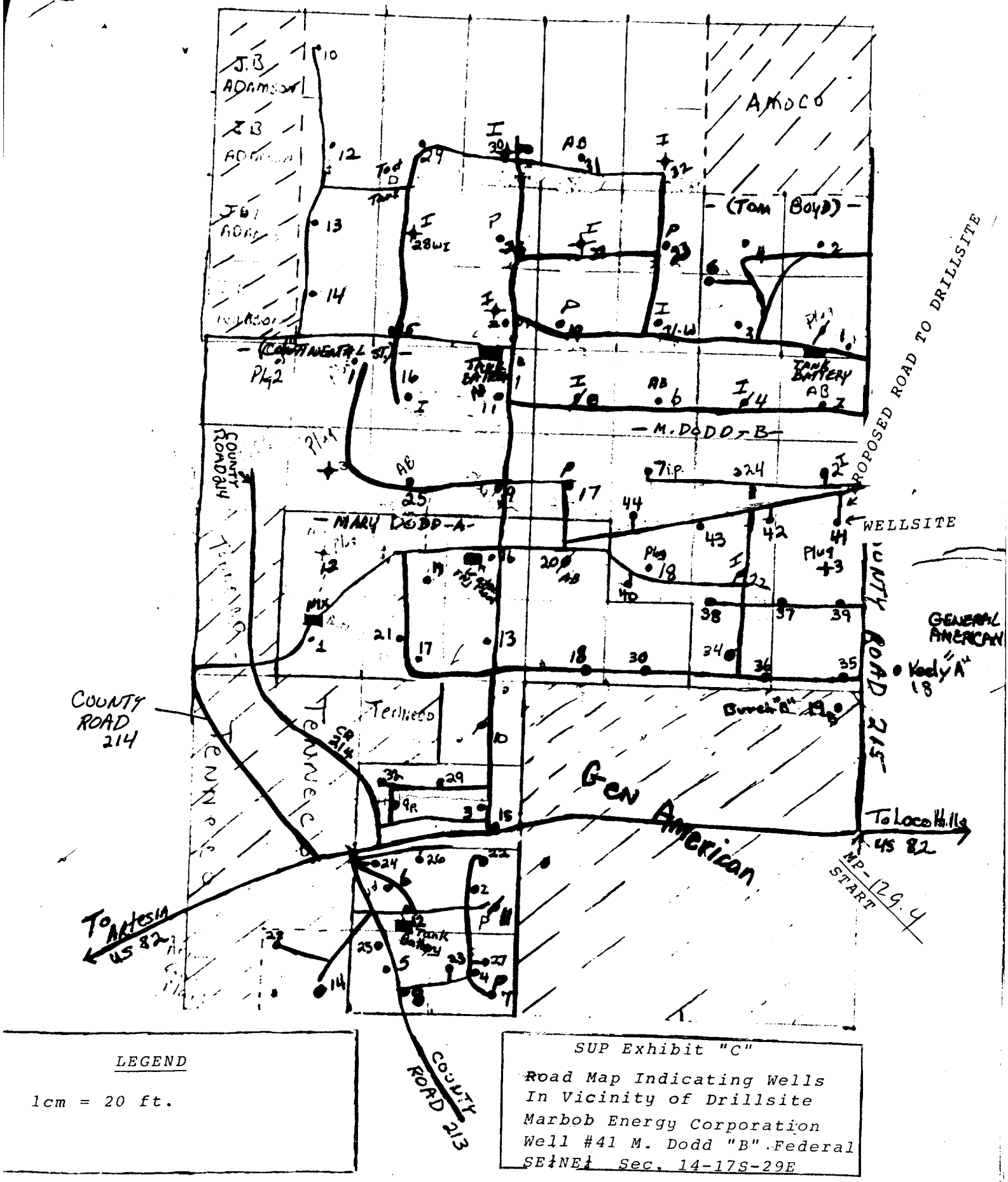
LEGEND:

Existing Powerline

Proposed Location

Proposed New Road

New Poles to be inserted



LEGEND

1cm = 20 ft.

SUP Exhibit "C"

Road Map Indicating Wells In Vicinity of Drillsite
Marbob Energy Corporation
Well #41 M. Dodd "B" Federal
SE¼NE¼ Sec. 14-17S-29E