

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)
AUG 22 1984
O. C. D.
ARTESIA, OFFICEForm approved.
Budget Bureau No. 42-R1425.30-015-24969
c/s

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 990 FNL 990 FEL At proposed prod. zone Same			9. WELL NO. 33	
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 WELDCAT Grayburg Jackson SR-Q-G-SK	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 330'			11. SEC., T., R. N., OR S.E. AND SURVEY OR AREA Sec. 22-T17S-R29E	
16. NO. OF ACRES IN LEASE 600			12. COUNTY OR PARISH Eddy	
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 600'			13. STATE N.M.	
18. PROPOSED DEPTH 3450'			14. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. ROTARY OR CABLE TOOLS Rotary			20. APPROX. DATE WORK WILL START* 8/10/84	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 3570.4' GR			22. APPROX. DATE WORK WILL START* 8/10/84	

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 & stimulated as needed for optimum production.

Attached are: 1. Location & 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 Carolyn Orris TITLE Production Clerk DATE 7/18/84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 8-21-84
CONDITIONS OF APPROVAL, IF ANY: _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

**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.

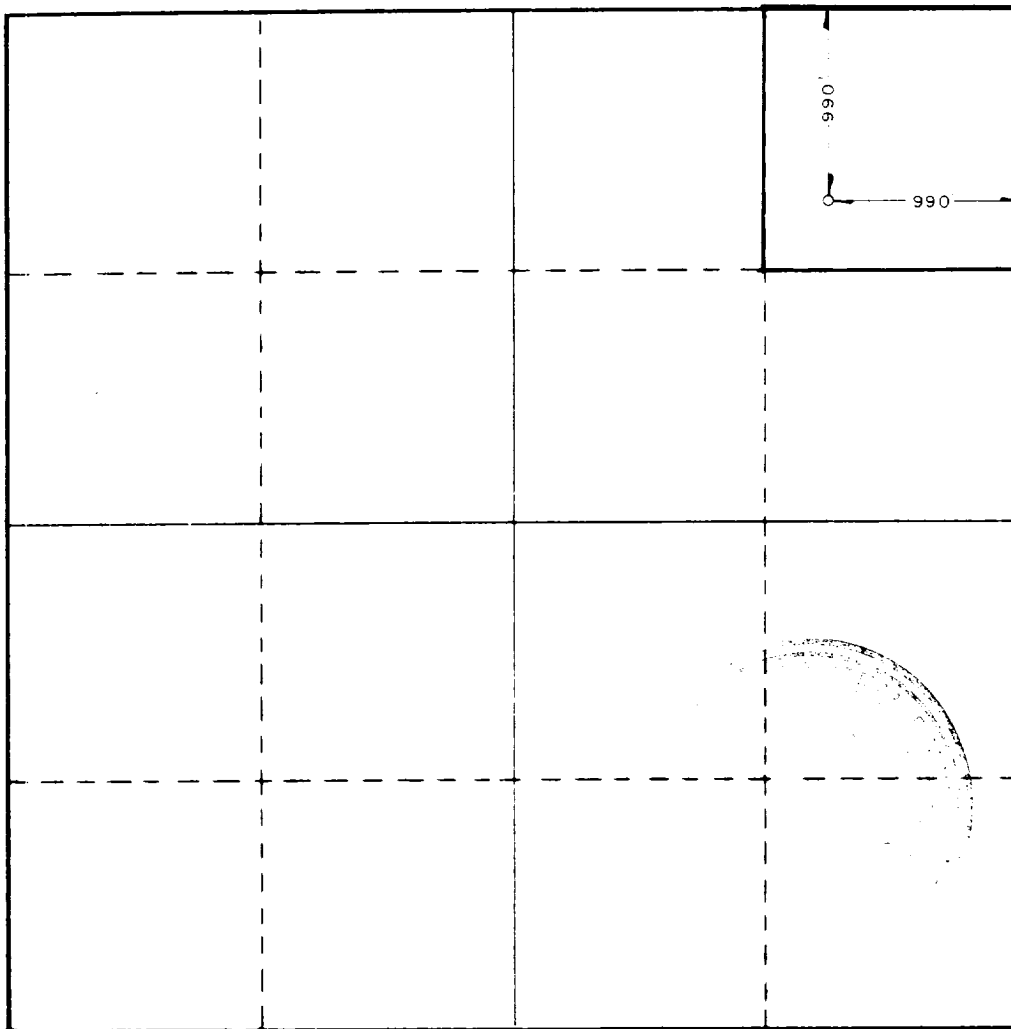
Operator Marbob Energy Corporation		Lease M Dodd A		Well No. 33
Unit Letter A	Section 22	Township 17 South	Range 29 East	County Eddy County
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between; align-items: center;"> 990 feet from the North line and 990 feet from the East line </div>				
Ground Level Elev. 3570.4	Producing Formation San Andres	Pool Grayburg Jackson SR-Q-G-SA	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

Name

Carolyn Orris

Position

Production Clerk

Company

Marbob Energy Corporation

Date

5/31/84

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

May 24, 1984

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST,**

676

RONALD J. EIDSON,

3239

REGAN OFFSHORE INTERNATIONAL, INC.

Torrance,

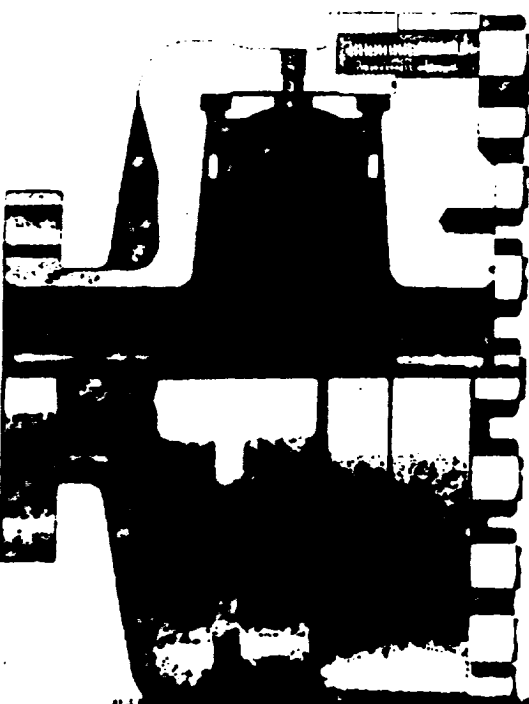
Annular

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.

DESIGN FEATURES

1. The Torus Preventer is designed for minimum weight to facilitate its use with production and workover rigs.
2. The rubber packer will conform to any size hole in the well bore. Sealing ability is not affected by minor damage to the inner bore. The packer will seal in open hole at full working pressure.
3. 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.

TORUS BLOWOUT PREVENTER
PATENTED

SPECIFICATIONS

DIMENSIONS (in.)						
Nominal Size	Test Pressure (psi)	Outside Diameter	True Bore	Overall Height	Weight (lb.)	End Flanges (1)
6	3000	6 1/2	2 1/2	19 1/2	1400	2000 S
8	3000	8 1/2	3 1/2	24 1/2	1800	2000 S
10	3000	10 1/2	4 1/2	29 1/2	2200	2000 S
12	3000	12 1/2	5 1/2	34 1/2	2600	2000 S
14	3000	14 1/2	6 1/2	39 1/2	3000	2000 S
16	3000	16 1/2	7 1/2	44 1/2	3400	2000 S
18	3000	18 1/2	8 1/2	49 1/2	3800	2000 S
20	3000	20 1/2	9 1/2	54 1/2	4200	2000 S
22	3000	22 1/2	10 1/2	59 1/2	4600	2000 S
24	3000	24 1/2	11 1/2	64 1/2	5000	2000 S
26	3000	26 1/2	12 1/2	69 1/2	5400	2000 S
28	3000	28 1/2	13 1/2	74 1/2	5800	2000 S
30	3000	30 1/2	14 1/2	79 1/2	6200	2000 S
32	3000	32 1/2	15 1/2	84 1/2	6600	2000 S
34	3000	34 1/2	16 1/2	89 1/2	7000	2000 S
36	3000	36 1/2	17 1/2	94 1/2	7400	2000 S
38	3000	38 1/2	18 1/2	99 1/2	7800	2000 S
40	3000	40 1/2	19 1/2	104 1/2	8200	2000 S
42	3000	42 1/2	20 1/2	109 1/2	8600	2000 S
44	3000	44 1/2	21 1/2	114 1/2	9000	2000 S
46	3000	46 1/2	22 1/2	119 1/2	9400	2000 S
48	3000	48 1/2	23 1/2	124 1/2	9800	2000 S
50	3000	50 1/2	24 1/2	129 1/2	10200	2000 S
52	3000	52 1/2	25 1/2	134 1/2	10600	2000 S
54	3000	54 1/2	26 1/2	139 1/2	11000	2000 S
56	3000	56 1/2	27 1/2	144 1/2	11400	2000 S
58	3000	58 1/2	28 1/2	149 1/2	11800	2000 S
60	3000	60 1/2	29 1/2	154 1/2	12200	2000 S
62	3000	62 1/2	30 1/2	159 1/2	12600	2000 S
64	3000	64 1/2	31 1/2	164 1/2	13000	2000 S
66	3000	66 1/2	32 1/2	169 1/2	13400	2000 S
68	3000	68 1/2	33 1/2	174 1/2	13800	2000 S
70	3000	70 1/2	34 1/2	179 1/2	14200	2000 S
72	3000	72 1/2	35 1/2	184 1/2	14600	2000 S
74	3000	74 1/2	36 1/2	189 1/2	15000	2000 S
76	3000	76 1/2	37 1/2	194 1/2	15400	2000 S
78	3000	78 1/2	38 1/2	199 1/2	15800	2000 S
80	3000	80 1/2	39 1/2	204 1/2	16200	2000 S
82	3000	82 1/2	40 1/2	209 1/2	16600	2000 S
84	3000	84 1/2	41 1/2	214 1/2	17000	2000 S
86	3000	86 1/2	42 1/2	219 1/2	17400	2000 S
88	3000	88 1/2	43 1/2	224 1/2	17800	2000 S
90	3000	90 1/2	44 1/2	229 1/2	18200	2000 S
92	3000	92 1/2	45 1/2	234 1/2	18600	2000 S
94	3000	94 1/2	46 1/2	239 1/2	19000	2000 S
96	3000	96 1/2	47 1/2	244 1/2	19400	2000 S
98	3000	98 1/2	48 1/2	249 1/2	19800	2000 S
100	3000	100 1/2	49 1/2	254 1/2	20200	2000 S

1. All dimensions are nominal.
2. Test pressure is 3000 psi.
3. Weight is approximate.
4. End flanges are 2000 S.
5. R/R X King Grooves.
6. Side Outlet.
7. 2000 S.
8. 2000 S.
9. 2000 S.
10. 2000 S.

SUP Exhibit "F"

REGAN BLOWOUT PREVENTER
Marbob Energy Corporation
Well #33 M. Dodd "A" Federal
NE4NE4 Sec. 22-17S-29E.

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #33 M. DODD "A" FEDERAL
NE1/4NE1/4 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. (See diagram attached as Exhibit "F")

6. CIRCULATING MEDIUM:

0 - 350' Fresh water mud with gel or lime as needed for viscosity control.

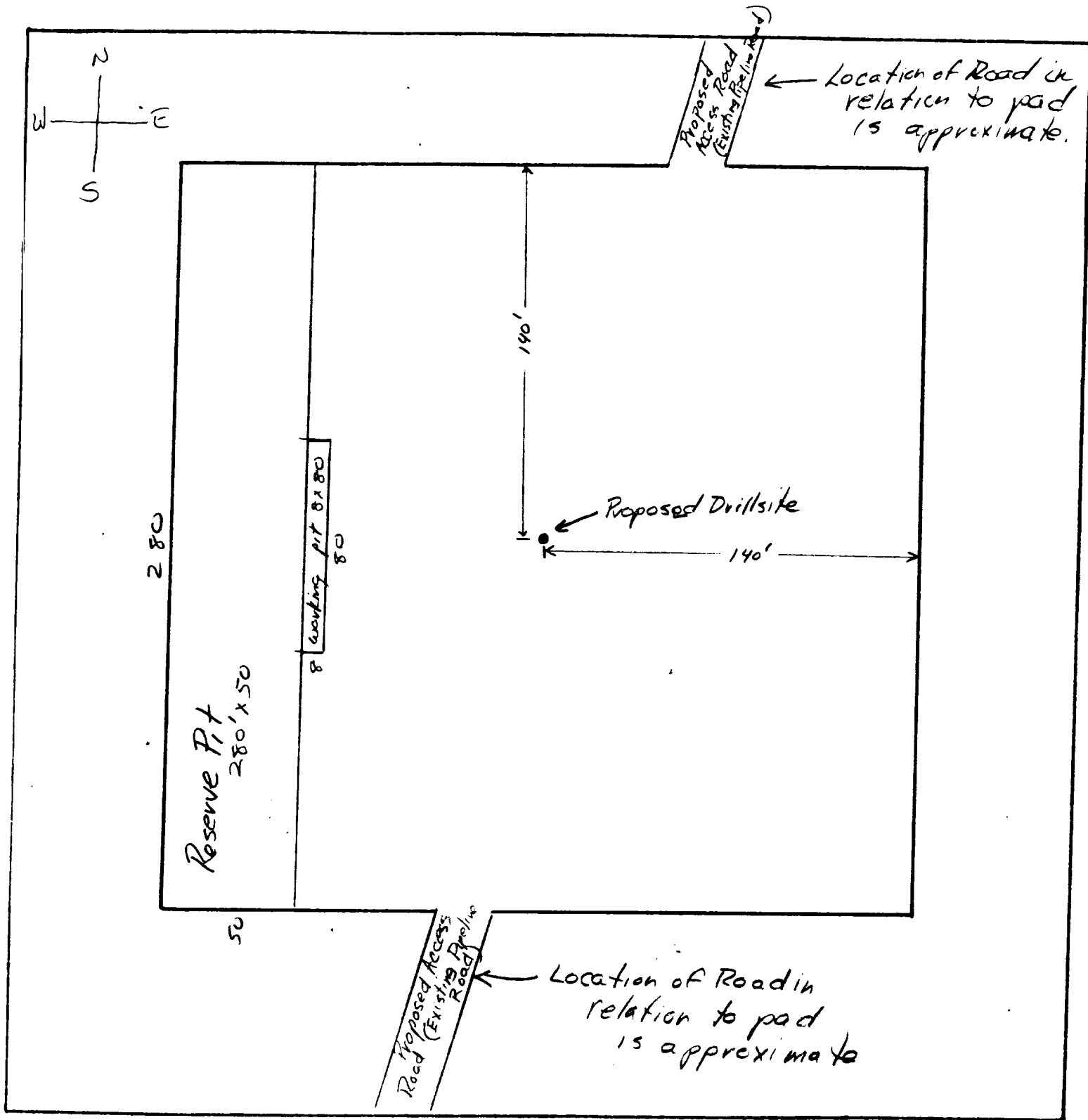
350'- 3450' Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

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 August 10, 1984. Duration of drilling, testing and completion operations should be one to four weeks.



LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD
Marbob Energy Corporation
Well #33 M. Dodd "A" Federal
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-17S-29E.