

N. M. O. C. C. COPY

SUBMIT IN TRIPlicate

(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.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
Samedan Oil Corporation

3. ADDRESS OF OPERATOR
2207 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
Unit H, 1650' FNL & 990' FEL, Sec. 9, T-26-S, R-23-E
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
16 miles southwest of White City

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any.) 990'

16. NO. OF ACRES IN LEASE 520

17. NO. OF ACRES ASSIGNED
TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1900'

19. PROPOSED DEPTH 7000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4277' G. L.

22. APPROX. DATE WORK WILL START*
Upon Approval

12. COUNTY OR PARISH 13. STATE
Eddy NM

7. LEASE DESIGNATION AND SERIAL NO.
NM 5476

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

9. UNIT AGREEMENT NAME

10. FARM OR LEASE NAME
Monsanto Federal

11. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 9, T-26-S, R-23-E

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#	750'	300 sx. (circulate)
7 7/8"	5 1/2"	14# & 15.5#	7000'	475 sx.

Plan to drill 12 1/4" hole to 750', run 8 5/8" casing and cement to surface. Drill 7 7/8" hole to 7000', run 5 1/2" casing and cement with 475 sacks. WOC 12 hrs. and test to 1000#.

(DSTs may be run on any formation indicating production during this stage of drilling.)

If production is indicated, will complete in productive zone(s) according to Rules and Regulations of New Mexico Oil Conservation Commission.

All pipe-setting and cementing operations will be conducted according to requirements of the proper authorities.

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 location and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED William S. McCuen
TITLE Production Superintendent DATE 8-5-74

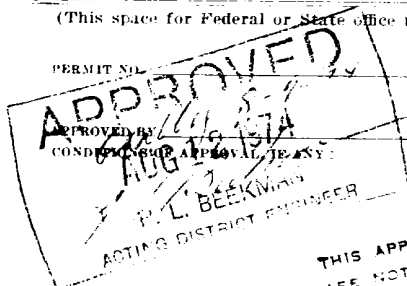
(This space for Federal or State office use)

PERMIT NO.

SUBJECT TO ATTACHED DEEP WELL CONTROL
REQUIREMENTS DATED JUN 22 1973

TITLE

DATE



THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMPLETED WITHIN 3 MONTHS.
NOV 12 1974

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1
June 1963 Edition
Revised 1974

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

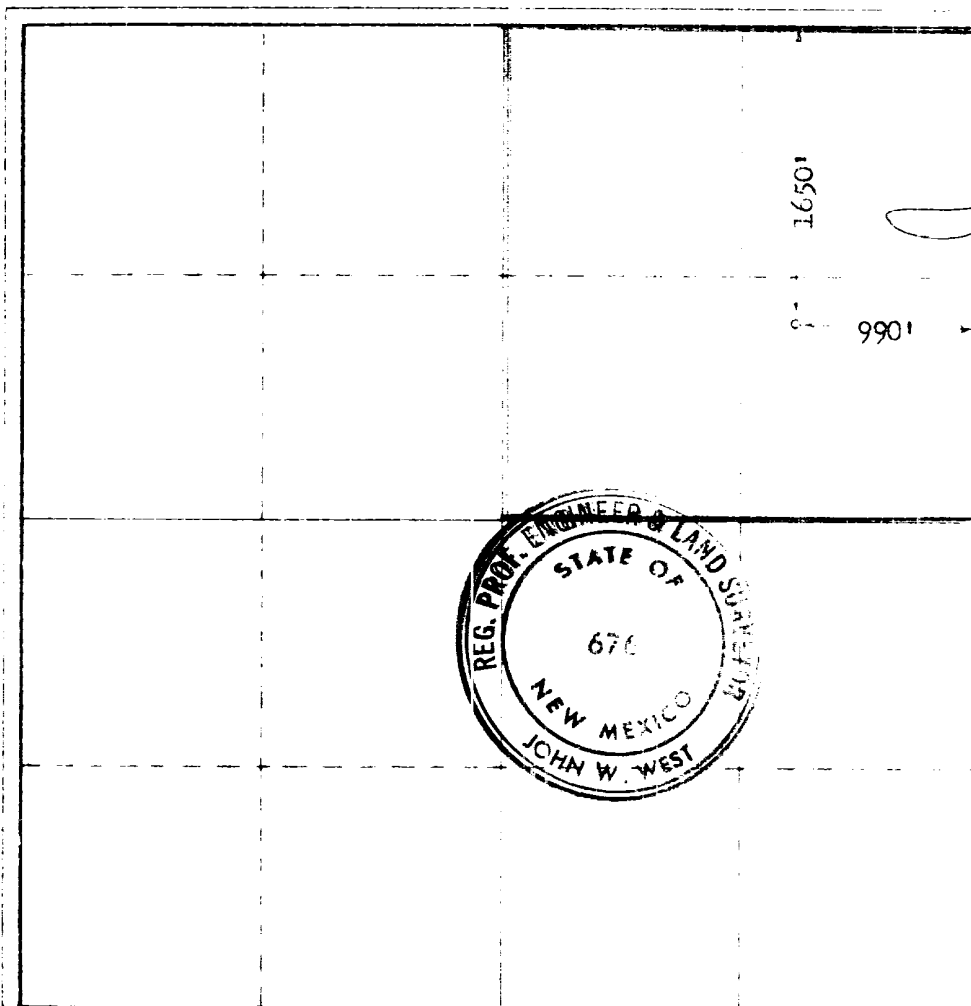
Operator SAMEDAN OIL CORPORATION		Lease Monsnato Federal		2
Section Letter H	Section 9	Township 26 South	Range 23 East	County Eddy
Approximate Location of Well: 1650 feet from the north line of the 990 east line.				
Ground Level Elev. 4277	Producing Formation Wolfcamp		Wildcat 160	

1. Outline the acreage dedicated to the subject well by colored pen if it has one mark on the plat.
2. If more than one lease is dedicated to the well, outline each and identify the ownership of each (percentage 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 (attach separate sheet if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



William S. McCuen

William S. McCuen
Production Superintendent
Samedan Oil Corporation
August 5, 1974

Aug. 1, 1974

DEVELOPMENT PLAN FOR SURFACE USE

Monsanto Federal No. 2
1650' FNL & 990' FEL
Sec. 9, T-26-S, R-23-E
Eddy County, New Mexico

The following is a discussion of the pertinent information concerning any possible effect which Samedan's proposed drilling of the above well may have on the environment or surface condition of the northeast quarter (NE/4) of Section 9, T-26-S, R-23-E, and surrounding acreage.

Item 1: Attached, as a portion of the "Development Plan", are plats, labeled Plat No. 1 and Plat No. 2, showing the existing ranch and county roads to be used in reaching the proposed location, the presence of all surface water supplies within one (1) mile, and the proposed layout of the drilling pad, rig, and mud pits to be used in drilling the above well. These items are discussed further below.

Item 2: Drilling Pad and Pit Location - The drilling pad and reserve pits will be constructed as shown on Plat No. 1. The location will be cleared and leveled and used in its natural condition without caliche. The reserve pit will be lined with a suitable plastic or rubber lining to prevent the loss of drilling fluids by seepage into the surface.

Item 3: Roads - Access to the proposed location will be gained by use of the existing county roads and unimproved ranch roads. The unimproved ranch roads will be graded and leveled sufficient to provide access to vehicular traffic, with minor improvement only as required.

Item 4: Producing Facilities and Flowlines - In the event that the proposed well is completed as a producer, necessary surface producing facilities will be installed on the drilling pad at the well. Only enough flowline would be required to connect the well to such facilities.

Item 5: Drilling Water Supply - Drilling water will be obtained through arrangements with the surface owner (or lessee on Federal Land) and will be taken from the existing surface water supplies or wells within approximately three (3) miles of the proposed location.

Item 6: - Waste Disposal - Wastes (such as drilling mud sacks, barrels, containers, scrap material, and junk) resulting from the drilling of this well will be disposed of by hauling to an approved dumping site.

Item 7: - Disposal of Brine and Produced Salt Water - Waste brine and produced salt water will be collected in metal storage tanks and trucked to an approved disposal well.

Item 8: Restoration of Surface - Following completion of the well, the mud pits will be filled and leveled consistent with the general terrain, and every effort will be made to leave the surface as undisturbed as possible.

Item 9: Blowout Prevention and Drilling Mud Program - See copy of attached proposed drilling program.

SAMEDAN OIL CORPORATION
WELL PROGRAM SHEET
July 8, 1974

WELL: Monsanto Federal No. 2

FIELD: Undesignated

ESTIMATED

TOTAL DEPTH: 7000'

OBJECTIVE: Wolfcamp Lime

1. LOCATION: 990' FEL & 1980' FNL, Sec. 9, T-26-S, R-23-E, Eddy County, NM

2. ELEVATION:

3. MEASUREMENTS:

All measurements will be taken from the Kelly Bushing. The permanent datum will be the bradenhead flange. The distance from the bradenhead flange to the Kelly Bushing will be recorded on the logs and drilling report. An instrument will be utilized to record drilling time.

4. HOLE SIZE:

0' to 750' 12 1/4"
750' to T.D. 7 7/3"

5. HOLE DEVIATION:

Maximum allowable hole deviation will be 5° limited to 1 1/2° per 100'. Deviation surveys will be run at least once each 500' and the results of each survey will be recorded on the Daily Drilling Report.

6. FORMATION TOPS:

Lamar Lime	220'	Wolfcamp Lime	6020'
Delaware Sand	400'	Wolfcamp Porosity	6500'
Bone Springs	3450'	Strawn Lime	6800'
Third Bone Springs Sand	5780'		

7. DRILLING SAMPLES:

Catch one set of 10' samples from 200' to T.D. Ten foot drilling time to be recorded (original and one copy) from 200' to T.D. on Samedan form.

8. BLOWOUT PREVENTERS:

Dual ram, 3000 psi W.P., hydraulically operated preventers and Hydril to be installed on surface casing and to be equipped to Samedan's specifications.

9. DRILLING MUD:

0' to 750' - Spud mud consisting of gel and lime. Use Hyseal for seepage.
750' to 6000' - Drill out of 8 5/8" casing with fresh water while circulating through reserve pit. Use Hyseal only as needed to control seepage. Maintain pH 10.5 with lime. If necessary to raise weight, add 10#/gal. brine water. For severe loss or seepage use LCM and/or high solid squeeze.

6000 to 6800' - Displace whole system with 10#/gal. brine water polymer system. Use Dextrid/Drispac for a filter loss of 10 CC and Flosal for a viscosity of 31-32 sec/1000 cc. Use Hyseal and Kwikseal for loss of fluid. Should pressure be encountered that 10#/gal. fluid will not control, increase weight to 10.5#/gal. with Baroid. NOTE: If Wolfcamp Zone is found to be productive and/or abnormally high pressured, consideration should be given to setting a string of 5 1/2" casing through the zone.

5500' to T.D. - If pressures and/or production are not encountered in the Wolfcamp Zone, drill ahead with existing fluid and pretreat with Hixtex and Kwikseal prior to drilling into low pressured Strawn Zone.
6800' to T.D. - If 5 1/2" casing is set, drill cement and casing shoe with fresh water. Add 4% KCL and add Dextrid/Drispac to reduce the filter loss to 10 cc and increase the viscosity to 30-31 sec/1000 cc. Use Flosal as required. Use Hyseal for seepage.

10. CASING PROGRAM:

Surface Casing - 750' 8 5/8" 24# K-55 ST & C

Oil String - 5500' 5 1/2" 14# K-55 ST & C Top
1500' 5 1/2" 15.5# K-55 ST & C

11. CEMENTING:

Surface Casing - Run casing with Texas Pattern guide shoe, insert baffle plate and three centralizers. Cement with sufficient lite-water type cement and 100 sks. Class "H" with 2% Calcium Chloride to circulate to surface.

Oil String - To be developed if required.

12. LOGGING: Induction Electric
Compensated Acoustic Velocity

13. FORMATION TESTING:

DST No. 1 - 6500' to 6600' (Wolfcamp)
DST No. 2 - 6800' to 6900' (Strawn)

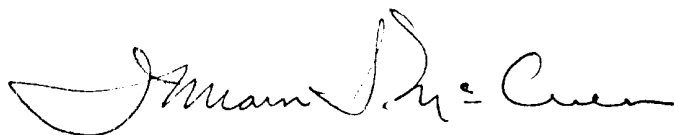
14. CORING: None

15. SPECIAL SURVEYS:

Mud logging unit will be used from 5500' to T.D.

16. COMPLETION PROGRAM:

To be developed if required.



William S. McCuen
Production Superintendent

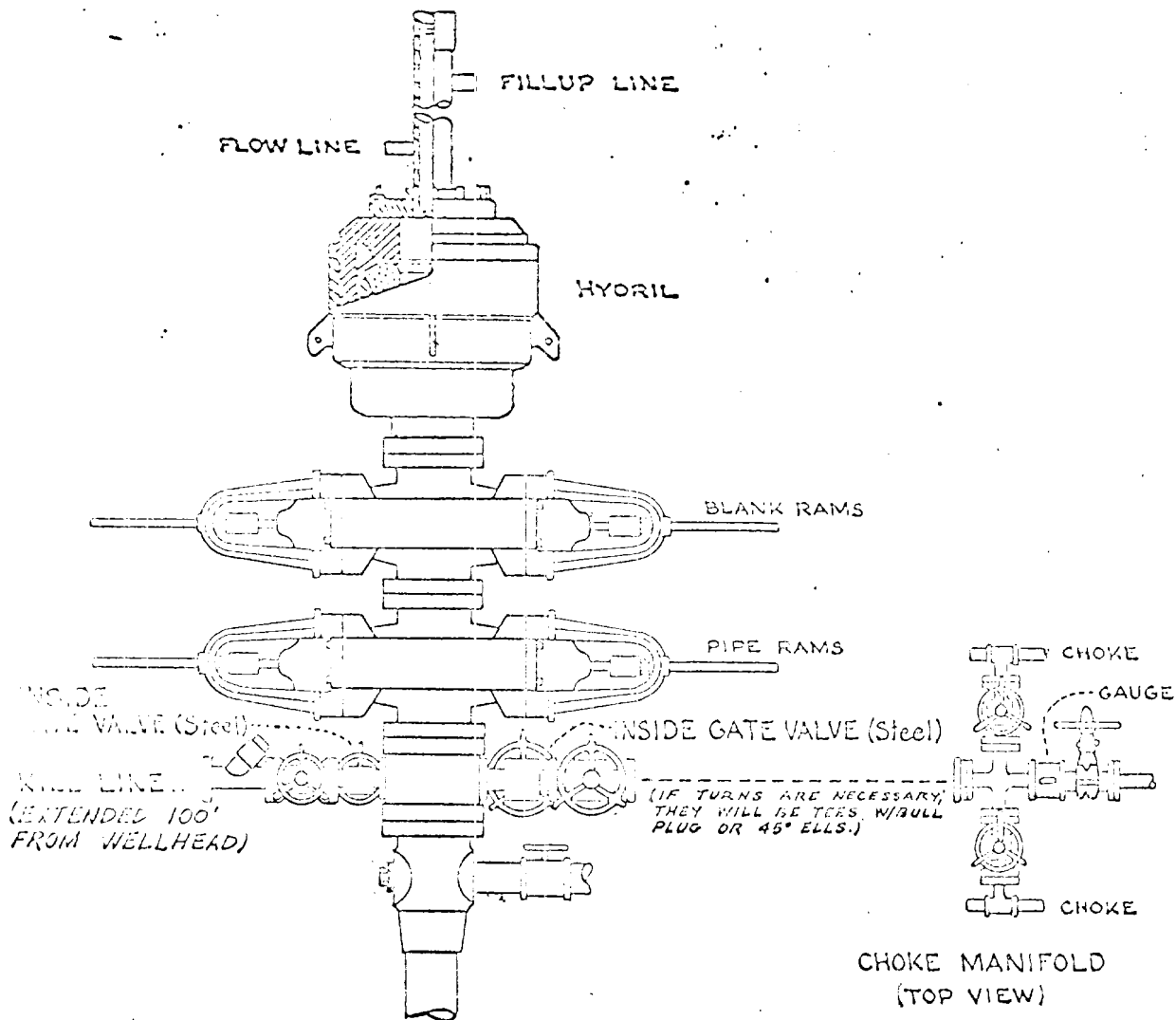
B. E. Frizsall
90-104-2012 (Off.)
905-102-6030 (Res.)
905-204-7266 (Cell)

Ron Mercer
915-683-5536 (Off.)
915-694-4991 (Res.)

Bill McCuen
915-683-5536 (Off.)
915-694-7342 (Res.)

Cliff Hatfield
915-683-5536 (Off.)
915-682-0394 (Res.)

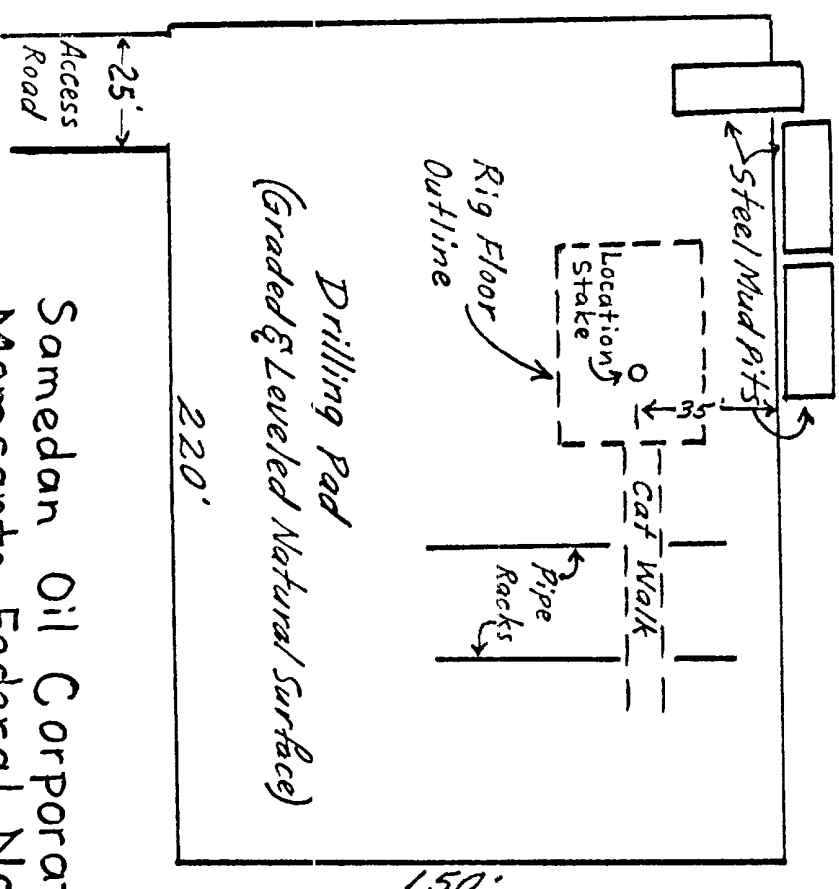
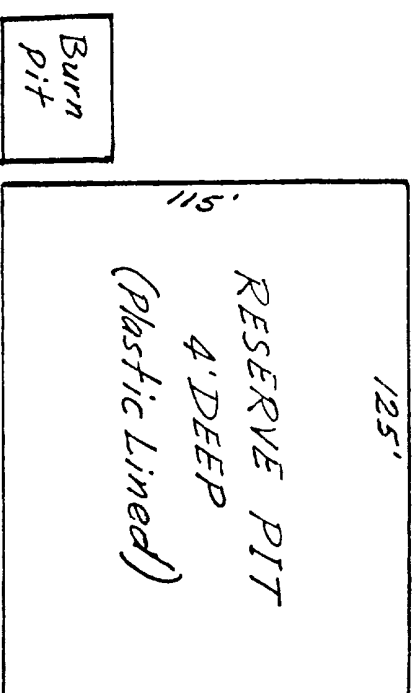
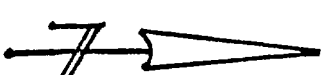
BLOWOUT PREVENTER
FOR
MEDIUM PRESSURE WELLS
(900 SERIES MIN.)



NOTE: Choke manifold to be either
3" or 4".
To be 900 Series, Minimum.

REQUIREMENTS

1. Kill Line and Choke Manifold maybe connected to Braden Head at Area Supervisor's discretion in event of low substructure.
2. Hydraulic closing unit required.
3. Steel lines from B.O.P. to closing unit required.



Samedan Oil Corporation
Momsanto Federal No.1
NE/4 Sec. 9, T-26-S, R-23-E
Eddy County, New Mexico
Scale: 1" = 50'

PLAT No. 1