

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

Sundance Oil Company

3. ADDRESS OF OPERATOR

Drawer I, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660 From South Line, 660 From East Line Unit P
At proposed prod. zone
Miss.

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

24 miles northeast of Hagerman, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660/S 660/E

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

1 1/2 mi. E

16. NO. OF ACRES IN LEASE

880

19. PROPOSED DEPTH

10,000

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3877.4'GR

22. APPROX. DATE WORK WILL START*

on approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	61#	300	300sx
12 1/2	8 5/8	32#	2400	900sx
7 7/8	4 1/2 or 5 1/2	17# or 11.6#	10,000	

Cement on long string to be determined if production
is encountered, all zones of value will be either
tested or logged to evaluate.

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DEC 3 1975

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OCT 30 1975
U. S. GEOLOGICAL SURVEY
ARTESIA, 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

W. N. Morgan

TITLE

Supt. Permian Basin Area

DATE

10-20-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL OPERATIONS

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

H. L. BECKWITH
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES FEB 26 1976

DATE

SUBJECT TO ATTACHED DEEP WELL CONTROL
REQUIREMENTS DATED JUN 22 1973

*See Instructions On Reverse Side

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.

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APR 10 1975

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**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.

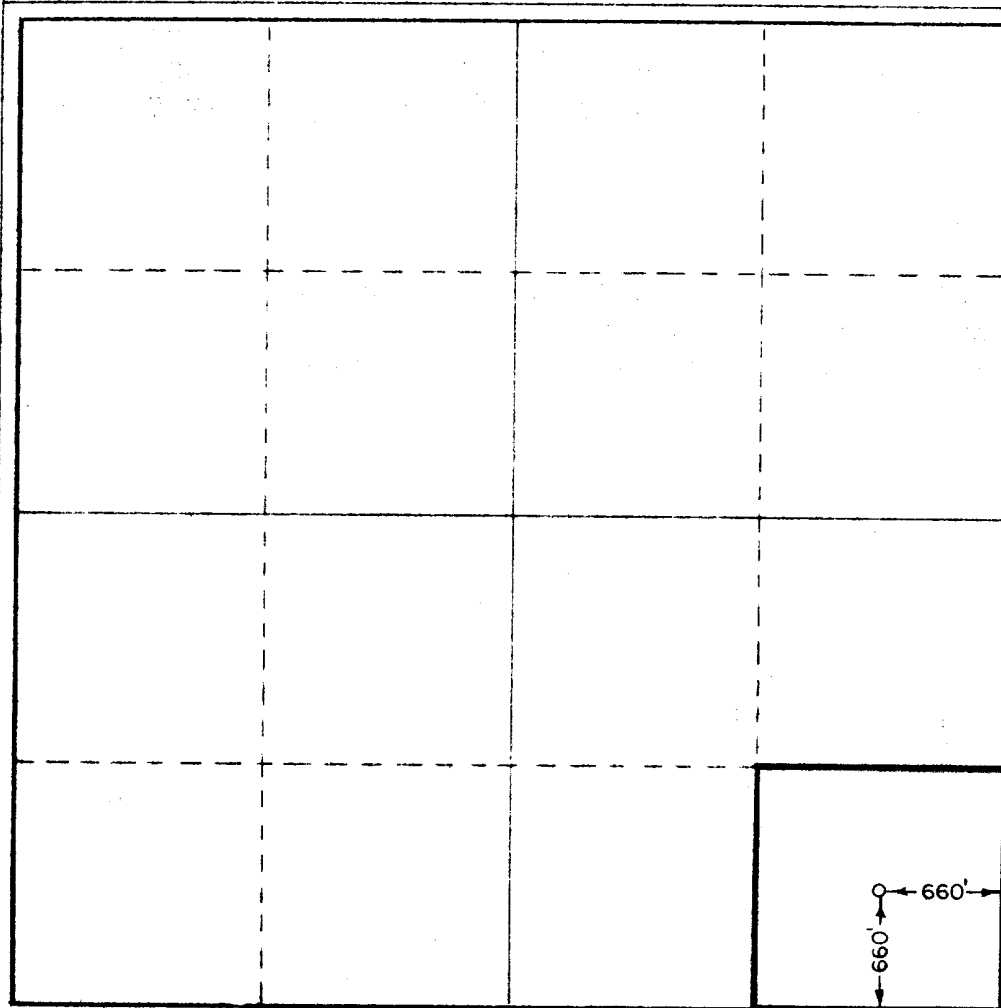
Operator Sundance Oil Company			Lease Beveridge Federal		Well No. 1
Unit Letter P	Section 29	Township 12 South	Range 30 East	County Chaves	
Actual Well Location of Well:					
660 feet from the South line and		660 feet from the East line			
Ground Level Elev. 3877.4	Producing Formation Miss.	Pool Wildcat	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

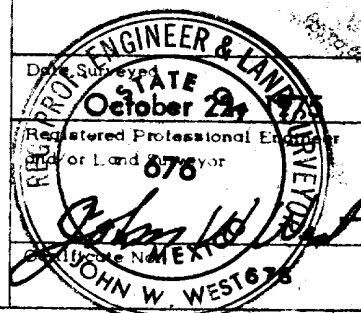


CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
W. N. Morgan
Position
Supt. Permian Basin Area
Company
Sundance Oil Company
Date
10-29-75

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.



INDANCE OIL COMPANY
Drawer I
Artesia, New Mexico 88210

DEVELOPMENT PLAN FOR SURFACE USE

UNITED STATES GEOLOGICAL SURVEY

PERMIAN BASIN AREA

Date 10-27-75

Well Beveridge Federal #1 Location Sec 29 Twn12S Rge30E

1. Existing roads including location of the exit from the main highway.

See attached exhibit A

2. Planned access roads See exhibit B

3. Location of existing well Sohio Monterrey, 27-12-30 &

Sun Federal #1, 1-13-29.

4. Lateral roads to well location No lateral roads will be built

unless production is encountered.

5. Location of tank batteries and flow lines Battery will be on

southeast corner of location if production is found.

6. Location and type of water supply (rivers, creeks, lakes, ponds, well, etc.,)

There is no available water in this area. All water

will have to be hauled in.

7. Methods for handling waste disposal If waste water becomes a

factor, because of production, it will be hauled to a

disposal area.

8. Location of camps none

9. Location of airstrips none

10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc., _____

See exhibit C

11. Plans for restoration of the surface _____

Should not be necessary.

12. Any other information that may be used in evaluating the impact on environment. Include general description of the topography, vegetation, and other aspects of the area.

The area of this well is sand dunes with scruboak,

beargrass, and very sparse vegetation.

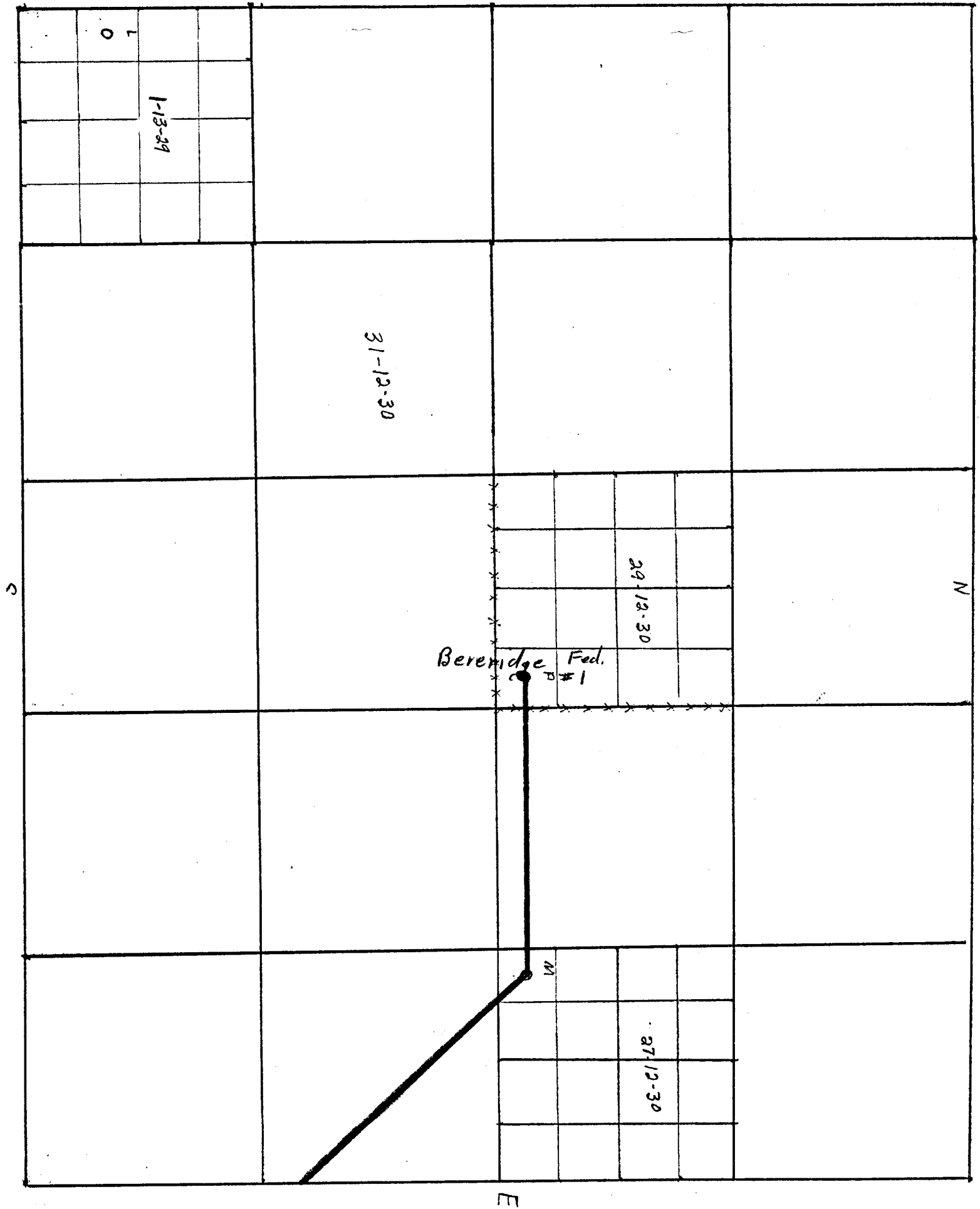
Company Sundance Oil Company

Representative M. J. Morgan

Phone: Ofc. 748-1266 Home 748-2325

Address Drawer I

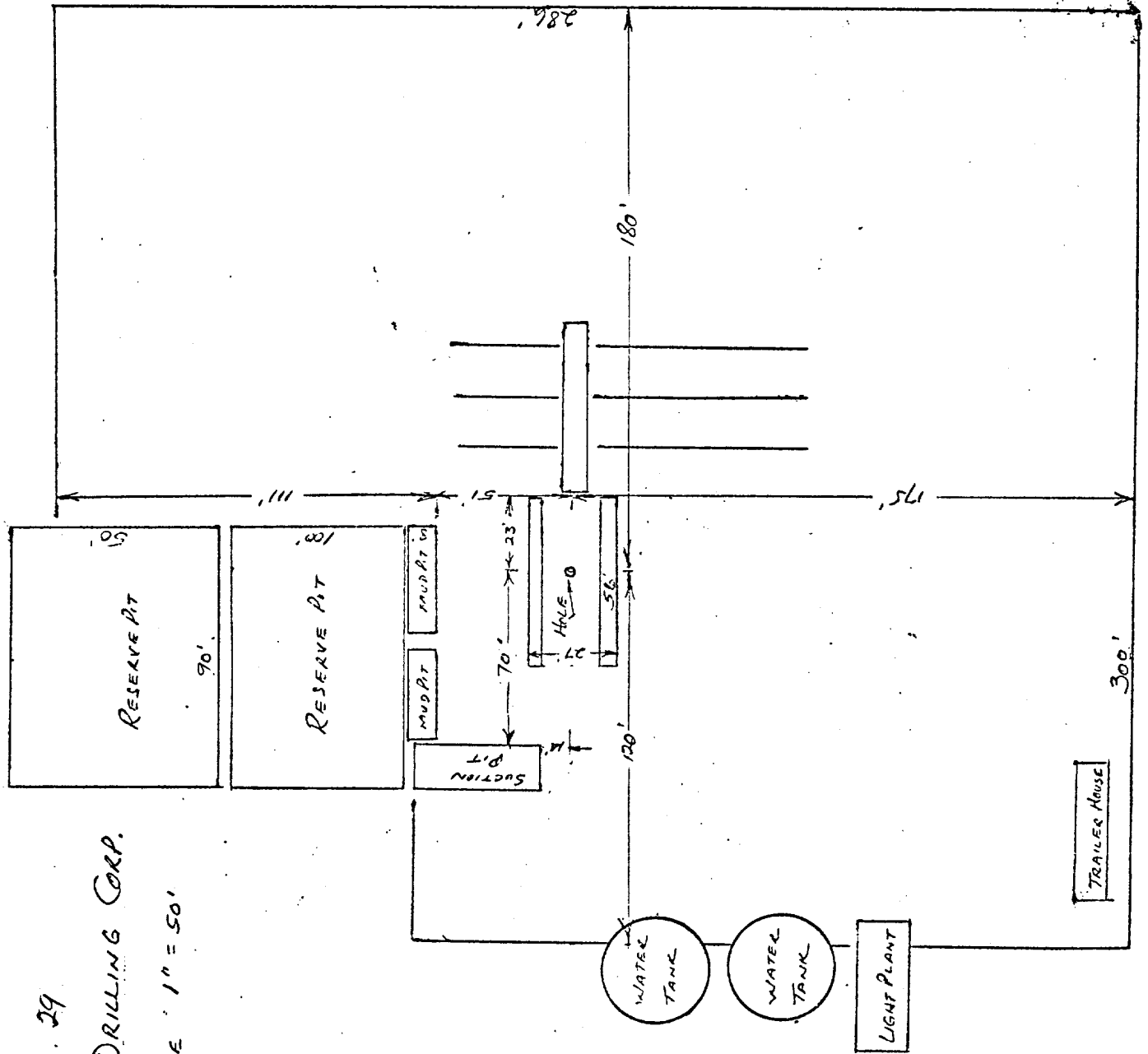
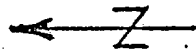
Artesia, New Mexico 88210



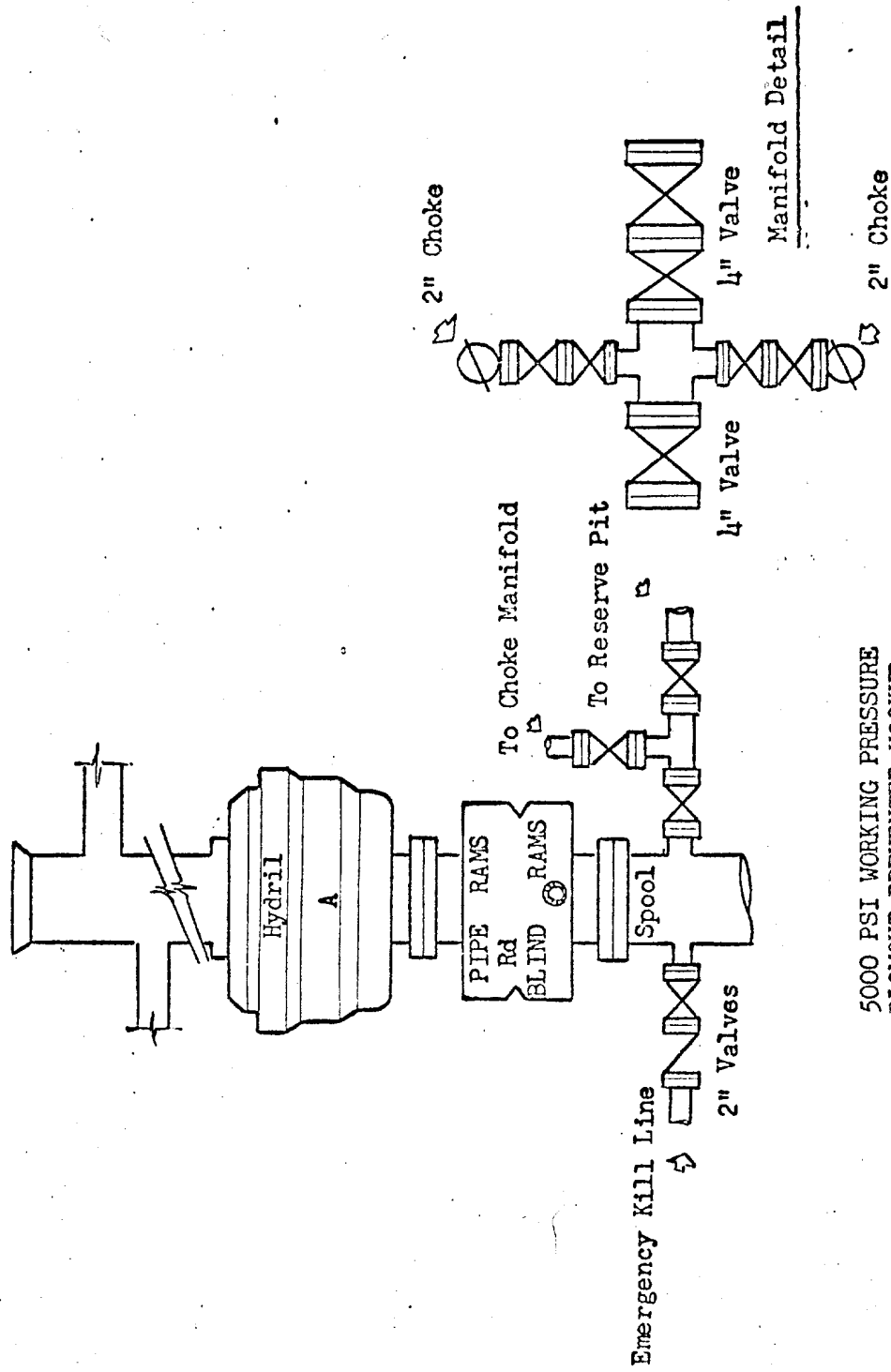
RIG No. 29

CACTUS DRILLING CORP.

APPROX SCALE 1" = 50'



Exh. b. 1 D



5000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOKUP

Sundance Oil Co.
Beverage Federal #1
10,000' Miss. Test

Chaves County, New Mexico
Unit P - Section 29 - 12S.-
30E.

Casing Program

- A. Surface Casing
Set 13 3/8" at 300 feet
- B. Intermediate
Set 8 5/8" or 9 5/8" at 2400 feet
- C. Production Casing
Set 4 1/2" ~~13 3/8"~~ ^{9 5/8"} at 10,000 feet

Remarks

- A. Drill 17 1/2" hole
- B. Drill 11" hole
- C. Drill 7 7/8" hole

Recommended Mud Program

0 - 300' Drill with fresh water, spud mud of DMI Drilling Gel.
A viscosity of 32-38 sec/1000 c.c. for proper hole
cleaning in the surface interval.

If lost circulation is encountered mix pits full of mud
and lost circulation materials, then if there are no
returns, suggest dry drill to casing point.

300'-2400' Continue drilling with water. Add Salt Gel as required
for additional viscosity to clean hole. Treat lost
circulation as above.

Viscosity 32-34 sec/1000 c.c.
Weight 9.8-10#/gal.
Filtrate N.C.

2400'-5900' Drill with water and Lime for pH control.

Weight 8.6-9.0#/gal.

At this interval if lost circulation is experienced,
mix fibrous materials so as to be suspended in viscous
mud for effectively restoring circulation.

5900'-7200' Have 4 ppb Soltex in system and lower water loss to 10 c.c. or less to drill Abo section at 5960'.

At 7200 feet mud up with a low solids system of DMI Gel and Drispac. For mud up, these properties are suggested:

Viscosity 34-36 sec/1000 c.c.
Weight 8.9-9.0#/gal.
Filtrate 15.20 c.c.

For the Mississippi (approx. 8700') interval the following properties are suggested:

Viscosity 36-40 sec/1000 c.c.
Weight 9.3#/gal.-9.8#/gal.
Filtrate 5-6 c.c.'s

REFERENCE WELL DATA

LOCATION:

OPERATOR	Franklin, Aston & Fair, Inc.	
WELL NAME	North King Camp Unit #11	
COUNTY	Chaves	DEPTH 10,268
CONTRACTOR	Moranco	RIO 6
LEGAL DISC.	Sec. 35, T-13-S, R-29-E	
660' FSL, 660' FEL of Sec.		

FORMATION TOPS

Anhydrite @ 165 "	Abo @ 6000 "
Yates @ 1080 "	Wolfcamp @ 7050 "
Queen @ 1860 "	Strawn @ 8330 "
San Andres @ 2425 "	Atoka @ 9020 "
Glorieta @ 3750 "	Chester @ 9380 "
Tubb @ 5190 "	Miss. @ 9560 "

Devonian @ 10,075 ft.

CASING PROGRAM

COND. _____ (A) _____
SURFACE 13-3/8" (A) 285'
8-5/8" (A) 2450'
1st INT. _____ (A) _____
2nd INT. _____ (A) _____
LINER _____ (A) _____
PROD. 4 1/2" (A) 9764

BITS USED

17-3/4	1	RAN	Mr.
11	2	44	Mr
7-7/8	10	682.3	Mr.
			Mr.
			Mr.
			Mr.

TIME

SPUD DATE	<u>9-21-74</u>
DATE T.D.	<u>11-5-74</u>
TOTAL DAYS	<u>51</u>
DRILLING DAYS	_____
CASING DAYS	_____
TROUBLE DAYS	_____

PROBLEMS

LOSS CIRC.	②	_____
WATER FLOW	②	_____
GAS KICK	②	_____
STUCK	②	_____
FISHING	②	_____
OTHER	②	_____

Vert. Dev. $\frac{1}{4}^{\circ}$ to $1\frac{1}{4}^{\circ}$

FLUID DATA AND REMARKS

DATE	DEPTH	WEIGHT	VISCOSITY	WATER LOSS	FLUID TYPE
	Set 13-3/8"	csg @ 285'			
	.Set 8-5/8"	csg @ 2450'			
	Set 4½"	csg @ 9764'			
	2,245				H ₂ O
	2,965	8.4	28		
10-11-74	7,043	8.7	34	12	Mud up
10-18-74	8,762	8.8	33	10	
10-25-74	9,894	9.2	36	6	
11-1-74	10,268	9.2	34	6	
	Shut in Gas Well				

LOCATION

OPERATOR	Union Oil Co. of California		
WELL NAME	Waller - /33 #1		
COUNTY	Chaves	DEPTH	8235
CONTRACTOR	Ard Drlg. Co.	RIO	6
LEGAL DISC.	Sec. 33 - 12S - 28E		

FORMATION TOPS

@	"	@	"
@	"	@	"
@	"	@	"
@	"	@	"
@	"	@	"
@	"	@	"

CASING PROGRAM

COND.	@	
SURFACE	8-5/8"	1900
1 st INT.	@	
2 nd INT.	@	
LINER	@	
PROD.	@	

BITS USED

12 1/4 inch	1	RAN	18-3/4 Hr.
11 inch	2	RAN	21 1/4 Hr.
7-7/8 inch	23	RAN	424-3/4 Hr.
inch		RAN	Hr.
inch		RAN	Hr.
inch		RAN	Hr.

TIME

SPUD DATE	5-30-68
DATE T.D.	6-27-68
TOTAL DAYS	28
DRILLING DAYS	
CASING DAYS	
TROUBLE DAYS	

PROBLEMS

LOSS CIRC.	@
WATER FLOW	@
GAS KICK	@
STUCK	@
FISHING	@
OTHER	@

Vert. Dev. 3/4°-3°

FLUID DATA AND REMARKS

DATE	DEPTH	WEIGHT	VISCOSITY	WATER LOSS	FLUID TYPE
	1695	10.2	32	N/C	
	Set 8-5/8" csg @ 1900 6/2/68				
	4738				H ₂ O
	5196	9.0	33	N/C	Mud up ABO
	5943	9.2	39	N/C	
	6931	9.3	36	N/C	
	7342	9.1	34	N/C	
	7846	9.3	38	8.0	
	7951	9.3	38	8.0	
	8220	9.2	38	8.0	
	8235	9.2	39	8.4	

REFERENCE WELL DATA

LOCATION'

OPERATOR Franklin Aston & Fair
WELL NAME #12 North King Camp Unit
COUNTY Chaves DEPTH 10,060
CONTRACTOR Moranco RIG 6
LEGAL DISC. Sec. 36, T-13-S, R-29-E
1980' FNL, 660' FWL of Sec.
2 N. & 19 E./Hagerman

FORMATION TOPS

San Andres @ 2450 "	Chester @ 9,340 "
Glorieta @ 3760 "	Devonian @ 10,020 "
Tubb @ 5200 "	@ "
Abo @ 6020 "	@ "
Wolfcamp @ 7040 "	@ "
Strawn @ 8300 "	@ "

CASING PROGRAM

COND. 13-3/8 @ 318'
SURFACE 8-5/8 @ 2450'
1st INT. @
2nd INT. @
LINER @
PROD. @

BITS USED

17 $\frac{1}{2}$	in	1	RAN	9	Mr.
11	in	2	RAN	26 $\frac{1}{4}$	Mr.
7-7/8	in	13	RAN	742 $\frac{1}{2}$	Mr.
	in		RAN		Mr.
	in		RAN		Mr.
	in		RAN		Mr.

TIME

SPUD DATE	5-13-75
DATE T.D.	6-25-75
TOTAL DAYS	45
DRILLING DAYS	41
CASING DAYS	2
TROUBLE DAYS	

PROBLEMS

LOSS CIRC.	@	_____
WATER FLOW	@	_____
GAS KICK	@	_____
STUCK	@	_____
FISHING	@	_____
OTHER	@	2 DST's

Vert. Dev. $\frac{1}{4}^{\circ}$ to 2°

FLUID DATA AND REMARKS

[illegible]

REFERENCE WELL DATA

LOCATION

OPERATOR Pan American. Pet. Co.
WELL NAME #1 North King Camp Fed. Unit
COUNTY Chaves DEPTH 9311
CONTRACTOR Noble Drllg. Co. RIG N-6
LEGAL DISC. Sec. 22, T-13-S, R-29-E
1980' FNL, 1980' FWL of Sec.

FORMATION TOPS

Yates	@	946	Wolfcamp	@	7054
Queen	@	1661	Canyon	@	8125
San Andres	@	2275	Strawn	@	8460
Glorieta	@	3642	Atoka	@	8838
Drinkard	@	5085	Lower Miss	@	9242
Abo	@	5880		@	

CASING PROGRAM

COND. _____ (a)
SURFACE 13-3/8 (a) 274'
9-5/8 (a) 2327'
1st INT. _____ (a)
2nd INT. _____ (a)
LINER _____ (a)
PROD. _____ (a)

BITS USED

17 $\frac{1}{2}$ inch	1	RAN	9 $\frac{1}{2}$ Hr.
12 $\frac{1}{4}$ inch	2	RAN	16 Hr.
8-3/4 inch	17	RAN	53 $\frac{3}{4}$ Hr.
_____ inch	_____	RAN	_____ Hr.
_____ inch	_____	RAN	_____ Hr.
_____ inch	_____	RAN	_____ Hr.

TIME

SPUD DATE	8-25-68
DATE T.D.	10-21-68
TOTAL DAYS	56
DRILLING DAYS	51
CASING DAYS	2
TROUBLE DAYS	

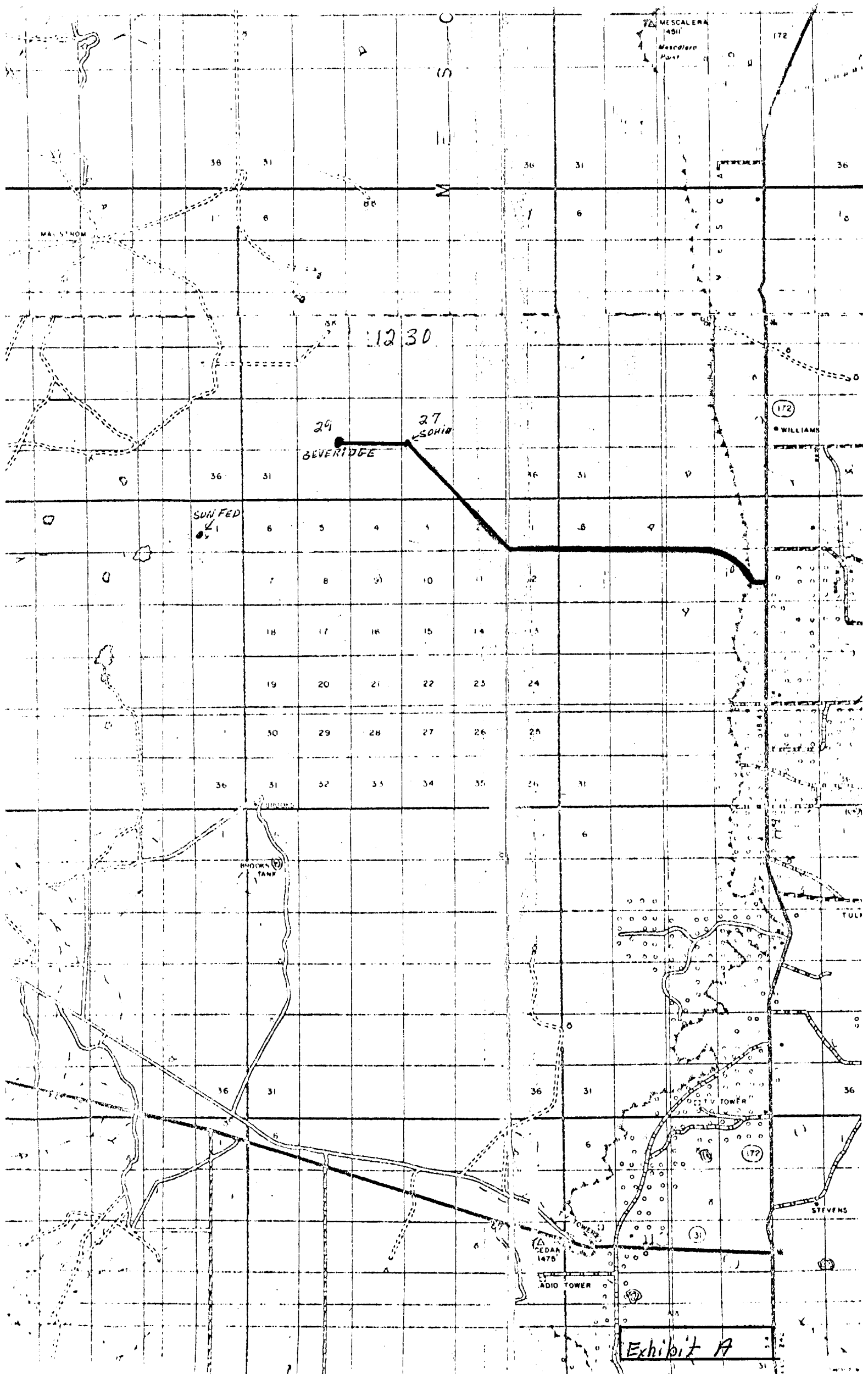
PROBLEMS

LOSS CIRC. @ _____
WATER FLOW @ _____
GAS KICK @ _____
STUCK @ _____
FISHING @ _____
OTHER @ 3 DST'S

Vert. Dev. $\frac{1}{4}^{\circ}-1^{\circ}$

FLUID DATA AND REMARKS

DATE	DEPTH	WEIGHT	VISCOSITY	WATER LOSS	FLUID TYPE
Set 13-3/8" csg @ 274'					
Set 9-5/8" csg @ 2327'					
	2634	8.6	48		Mud up to test
	2800	8.9	38		
9-15-68	6673	8.9	35	N/C	
	6849	8.9	38		
	9311	TD	Plugged & Abandoned		



1230

29
BEVERIDGE

27
SCHIA

SUN FED

HOOKS
TANK

MESCALERA
14911
Mescalero
Park

(172)

WILLIAMS

TULSA

TV TOWER

STEVENS

CELANO
1475

RADIO TOWER

Exhibit A

[illegible]

THE UNIVERSITY OF CHICAGO

1961-1962

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