



UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

P. O. Drawer U  
Artesia, New Mexico 88210

June 6, 1980

Sundance Oil Company  
Suite 510, 1776 Lincoln Street  
Denver, Colorado 80203

Gentlemen:

SUNDANCE OIL COMPANY  
Ingram Federal No. 13  
1655 FNL 2310 FEL Sec. 5 T.8S R.31E  
Chaves County Lease No. NM-15678

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 4,100 feet to test the San Andres formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Notify the Survey by telephone 24 hours prior to spudding well.
7. Cement behind the 8-5/8" casing must be circulated.
8. Special Stipulations: No activity between 1 April and 31 May.
9. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

George H. Stewart  
Acting District Engineer

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## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-15678	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR SUNDANCE OIL COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Suite 510, 1776 Lincoln St., Denver, CO 80203		8. FARM OR LEASE NAME Ingram Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1655' FNL and 2310' FEL, Unit G At proposed prod. zone Same		9. WELL NO. 13	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles south of Kenna		10. FIELD AND POOL, OR WILDCAT Tom-Tom, San Andres	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1655		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW NE Section 5, T.8S., R.31E.	
16. NO. OF ACRES IN LEASE 1401.68		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1335		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4246.6' GL		22. APPROX. DATE WORK WILL START* June 1, 1980	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24	1350
7 7/8"	4 1/2"	10.5	4100
		QUANTITY OF CEMENT	
		550 sx, circulated	
		300 sx	

The well will be drilled, logged and evaluated by drill stem tests for full evaluation of the San Andres Formation. If warranted, completion will be made in the same formation.

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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 Richard O. Dimit TITLE Vice President, Production DATE April 30, 1980  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

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.

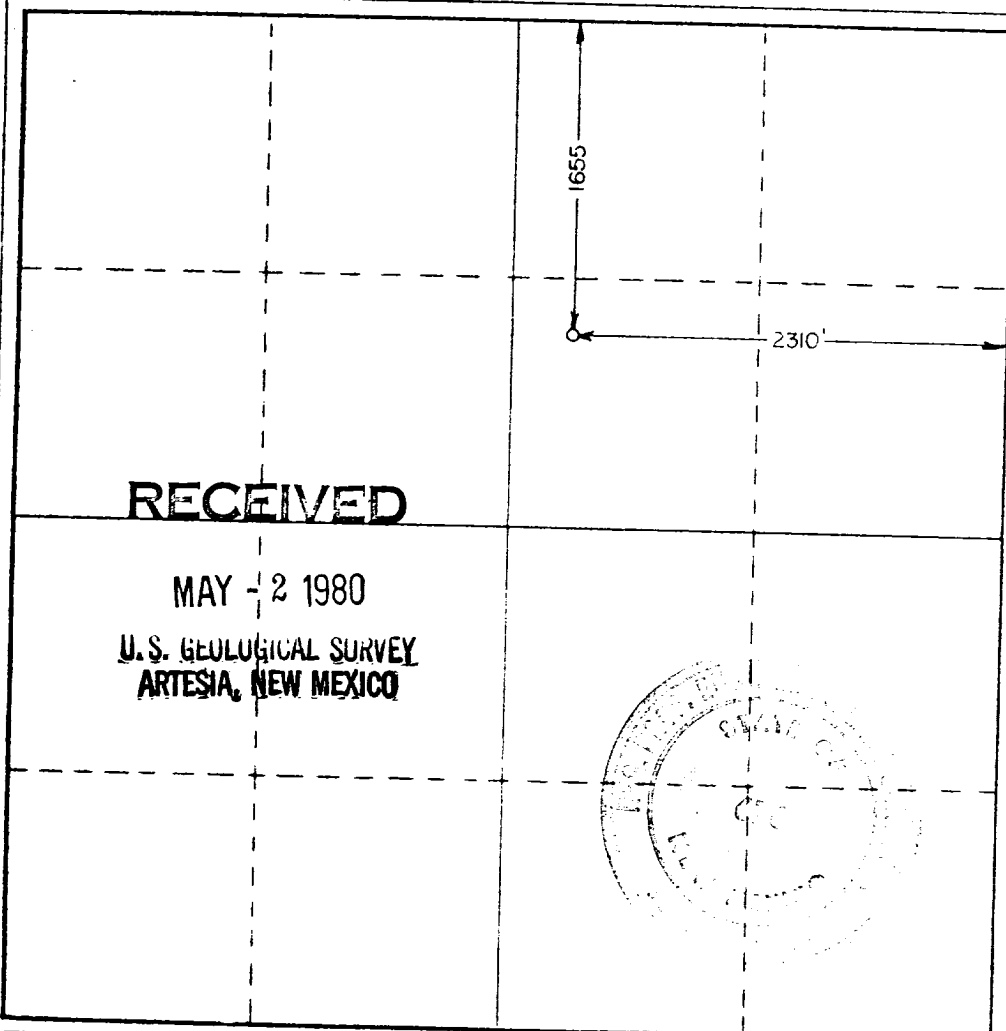
Operator <b>Sundance Oil Co.</b>			Lease <b>Ingram Federal</b>		Well No. <b>13</b>
Unit Letter <b>G</b>	Section <b>5</b>	Township <b>8 South</b>	Range <b>31 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>1655</b> feet from the <b>North</b> line and <b>2310</b> feet from the <b>East</b> line					
Ground Level Elev. <b>4246.6</b>	Producing Formation <b>San Andres</b>		Pool <b>Tom-Tom, San Andres</b>	Dedicated Acreage: <b>40</b>	

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

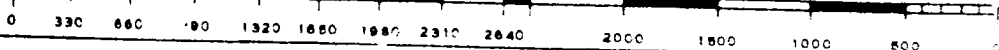
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**Richard O. Dimit**  
Position  
**Vice President, Production**  
Company  
**Sundance Oil Company**  
Date  
**April 30, 1980**

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.

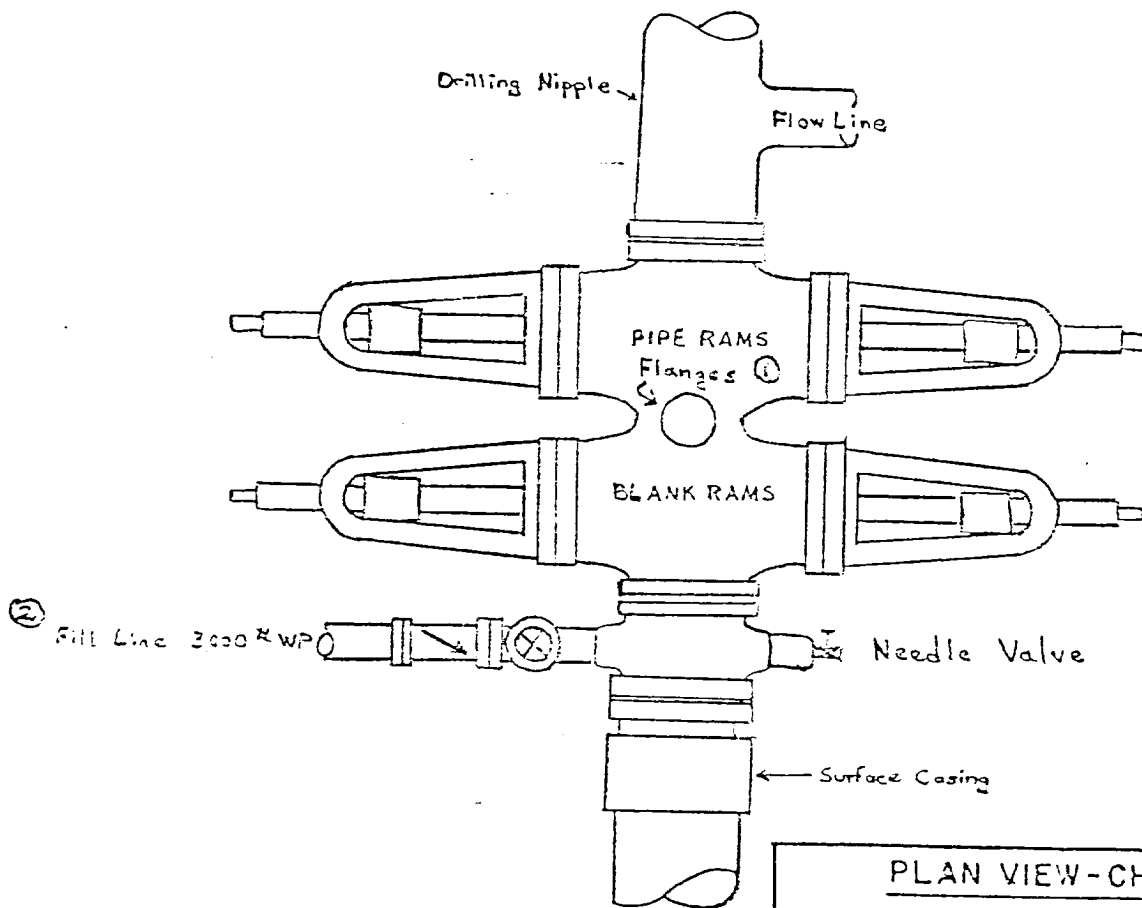
Date Surveyed  
**April 2, 1980**  
Registered Professional Engineer  
and/or Land Surveyor

**John W. West**  
Certificate No. **JOHN W. WEST 678**  
**PATRICK A. ROMERO 6863**  
**Ronald J. Eidson 3239**



# B. O. P. HOOK-UP

Schaeffer Type E 10" Series 900 Hydraulic BOP. (3,000 PSI W.P.)



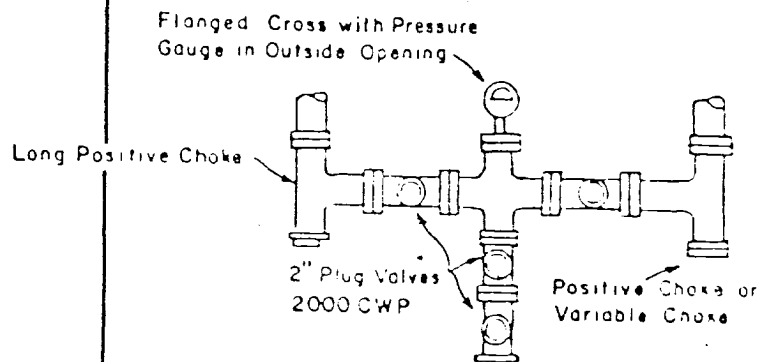
## NOTES:

- ① 1 Flange on each side of BOP Stack. Choke Manifold connects To one side. Other side has full opening pipe and valves connected To it. KILL LINES.
- ② Fill line also has valve in it at rig floor level.

BOP Stack will be equipped To operate with both hydraulic and manual controls.

All equipment, piping and valves in BOP arrangement is 900 Series, i.e. 3,000 psi working pressure.

## PLAN VIEW-CHOKE MANIFOLD



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OIL CONSERVATION DIV.

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