

30-045-24263

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Barbara	
2. Name of Operator S & I Oil Company		9. Well No. 1	
3. Address of Operator 413 W. Main, Farmington, New Mexico 87401		10. Field and Pool, or Wildcat Cha Cha Gallup EXT	
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>760'</u> FEET FROM THE <u>South</u> LINE AND <u>810'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>12</u> TWP. <u>29N</u> RGE. <u>15W</u> NMPM		12. County San Juan	
19. Proposed Depth 4700'		19A. Formation Gallup	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 5179' GL	
21A. Kind & Status Plug. Bond Individual Well		21B. Drilling Contractor To be determined	
22. Approx. Date Work will start April 15, 1980			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24.0	350'	350	Surface
7-7/8"	4-1/2"	10.50	4,700'	300 & 550	1400'

It is proposed to drill this well with rotary tools, using water base mud as circulation medium through the Gallup formation. Possible productive intervals in the Gallup will be completed. Production casing will be cemented in such a manner to protect the Gallup and Mesa Verde formations.

Estimated Formation Tops

Pictured Cliffs	300'	Point Lookout	2900'
Cliff House	1350'	Gallup	4100'
Menefee	2000'		

The E/2, SE/4, Sec. 12 is dedicated to this well. APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,



EXPIRES 6-24-80

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

FOR: S & I OIL COMPANY
Signed Frank J. Walsh Title President Date March 19, 1980
(This space for State Use)

APPROVED BY Frank J. Walsh TITLE SUPERVISOR DISTRICT # 2 DATE MAR 20 1980
CONDITIONS OF APPROVAL, IF ANY:

Hand C-101 for Comm.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

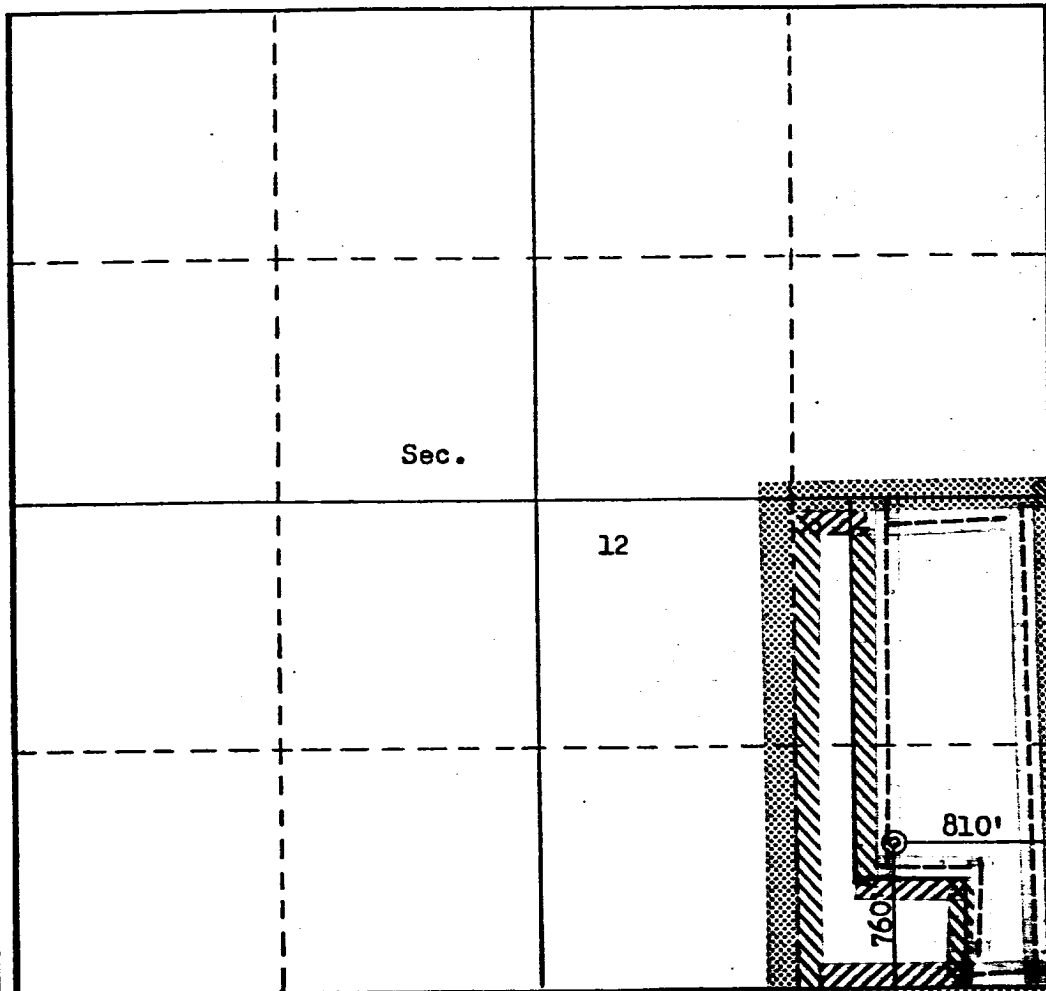
P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

Operator S & I OIL COMPANY		Lease Barbara		Well No. 1	
Unit Letter P	Section 12	Township 29N	Range 15W	County San Juan	
Actual Footage Location of Well: 760 feet from the South line and 810 feet from the East line					
Ground Level Elev. 5179	Producing Formation Gallup		Pool Cha Cha Gallup		Dedicated Acreage: E 80 Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If answer is "yes," type of consolidation <u>Communitization Forthcoming</u></p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) <u>See Attached Exhibit No. 1</u></p> <p>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.</p>					



CERTIFICATION

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

ORIGINAL SIGNED BY
EWELL N. WALSH

Name
Ewell N. Walsh, P.E.

Position
President

Company **Walsh Engineering & Production Company**

Date
March 19, 1980

RECEIVED
MAR 19 1980
OIL CON. COM.
DIST. 2

Date Surveyed
March 19, 1980
Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr, Jr.
Certification No. **3950**

EXHIBIT NO. 1
S & I OIL COMPANY
BARBARA NO. 1
760'FSL, 810'FEL, Sec. 12-T29N-R15W
Lease No. Fee

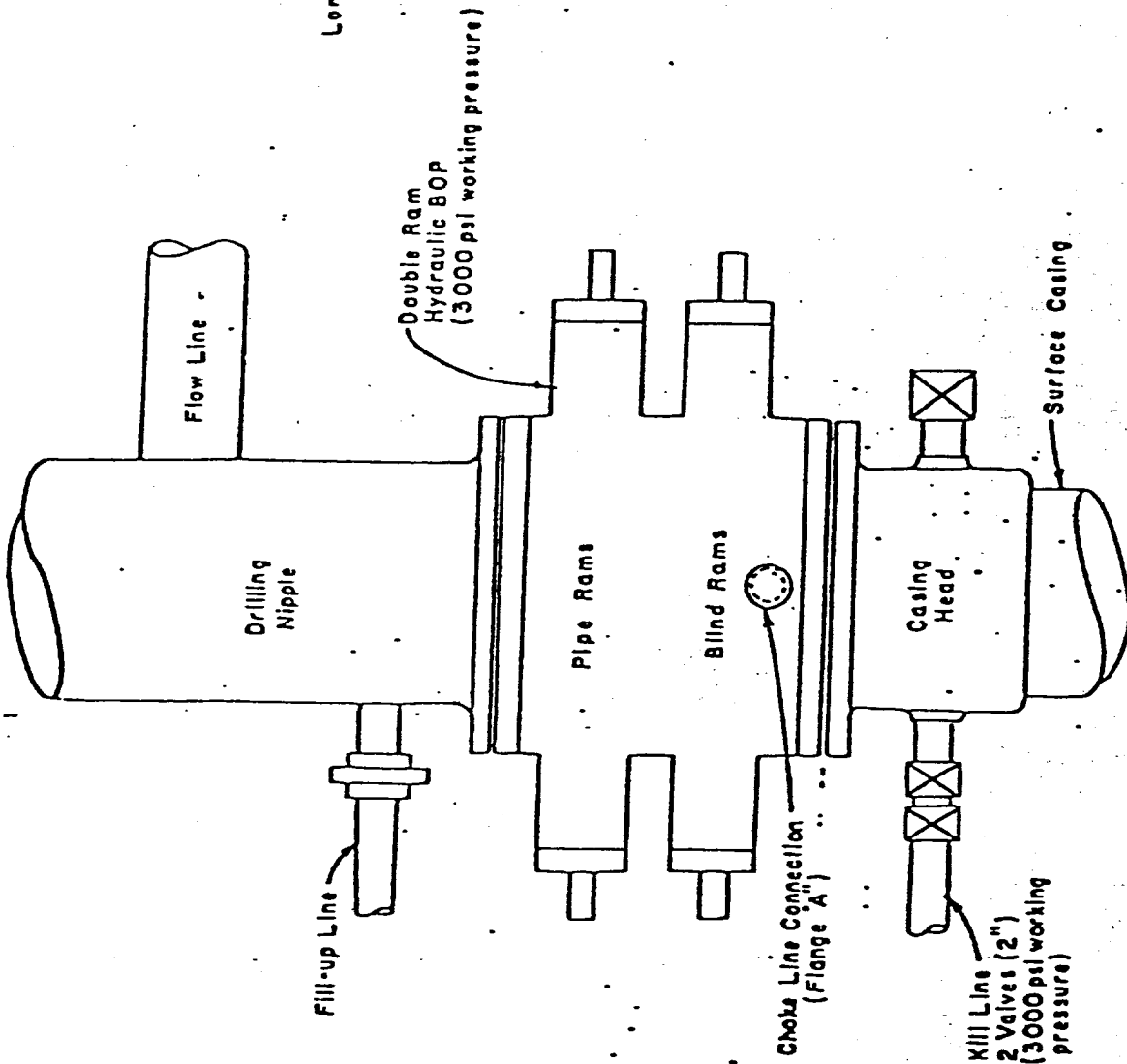
- A. Caribou Four Corners
Portion of NE/4SE/4 and protion of SE/4SE/4 -
approximately 25.35 acres.
- B. S & I Oil Company
Portion of NE/4SE/4 and portion of SE/4SE/4 -
approximately 54.65 acres.

S & I OIL COMPANY
BARBARA NO. 1
760'FSL, 810'FEL, Sec. 12-T29N-R15W
San Juan County, New Mexico

1. Surface Casing.
See Application for Permit to Drill.
2. Spools and Flanges.
 - A. Surface Casing - 8 ", Series 600, 2000psi W.P.
 - B. Production, 8 ", Series 900, 3000 psi W.P.
 - C. Tubing Head - Series 900, 3000 psi. W.P.
3. Intermediate Casing.
None
4. Blowout Preventers
Production Hole - 10", 3000 psi.
Fill, Kill and choke manifold -5000 psi. W.P.
5. Additional Equipment (If necessary)
 - A. Kelly Cock
 - B. Bit Float
 - C. Degasser
 - D. Pit Level Indicator
 - E. Sub with valve for drill pipe.
6. Anticipated Bottom Hole Pressure.
2700 psi. Current mud program is for 9.2 lb./gal mud with hydrostatic head of 3032 psi at 6345 feet. Mud weight will be increased if necessary for higher pressures.
7. Drilling Fluid.
Gel-Water

Blowout Preventer Diagram

S & I OIL COMPANY
Barbara No. 1
760' FSL, 810' FEL
Sec. 12-T29N-R15W
San Juan County, NM



Flanged Cross with Pressure Gauge in Outside Opening

Long Positive Choke

2" Plug Valves 2000 CWP

Positive Choke or Variable Choke

Flange "A"

PLAN VIEW-CHOKE MANIFOLD

FRUITLAND QUADRANGLE
NEW MEXICO—SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHIPROCK 18 MI
WATERFLOW 6 MI. 340 000 FEET 734 108°22'30"

735000—E R. 15 W. R. 14 W.

737

