

30-025-31717

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SEP 2 11 35 AM '92

CARL  
AREA

3160(067)  
LC-064194

AUG 21, 1992

TJH 8-15-92  
Rem 8/16/92  
T.O'Brien 8-15-92  
C.G. Lopez 8/15/92  
for Cone  
8/19/92

CERTIFIED--RETURN RECEIPT REQUESTED  
P 696 486 636

Snow Oil & Gas, Inc.  
Attention: Dan W. Snow  
P. O. Box 1277  
Andrews, TX 79714

RE: SCJ Federal No. 1 Well  
LC-064194  
660' FNL & 330' FEL, Sec. 9, T20S, R34E  
Lea County, New Mexico

Dear Mr. Snow:

I am happy to approve your Application for Permit to Drill (APD) at the present location. Your copy of the APD, with attached stipulations, is enclosed.

As you may be aware, there has been a significant increase in APD's in the Secretary's Pctash Area. Unfortunately, this has resulted in time delays, which I sincerely hope have not unduly burdened your company.

If you need any additional information please contact Tony Herrell at the Carlsbad Resource Area (505) 887-6544.

Sincerely,

Larry L. Woodard

Larry L. Woodard  
State Director

1 Enclosure:  
1 - Application for Permit to Drill (APD)

bcc:  
NM (910, L. Woodard)  
NM (920, R. Smith)  
NM (060, A. Lopez)  
NM (060, L. Cone)  
NM (067, T. Herrell)

067:JOlsen:nm:08/15/92:A:\scj9-1.AL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SNOW OIL & GAS, INC.

3. ADDRESS OF OPERATOR

P.O. BOX 1277, ANDREWS, TEXAS 79714 (915) 524-2371

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

At surface  
660' FNL & 330' FEL, NE/4 NE/4, UNIT A

SAME

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

28 MILES SOUTHWEST OF HOBBS, NEW MEXICO

10. DISTANCE FROM PROPOSED\*

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

330'

16. NO. OF ACRES IN LEASE

160 (480 base)

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NONE

19. PROPOSED DEPTH

7300'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3630.0 GR EST

22. APPROX. DATE WORK WILL START\*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36#	J-55	ST&C	1600	1200 SXCIRCULATE
8 3/4	7"	23#	J-55	ST&C	4200	1600 SXCIRCULATE
6 1/8	4 1/2	10.5, 11.6	J-55	LT&C	7300'	1250 sx TOC 4000'
T.O.L. 4000'						

PROPOSED PLANS ARE TO DRILL TO DEPTH OF 7300' AND TEST FOR COMMERCIAL PRODUCTION IN DELAWARE OIL.

EXHIBITS:

1. EOP DIAGRAM
2. PERTINENT LEASE DATA
3. PROPOSED DRILLING PROGRAM SUPPLEMENT
4. SURFACE USE PLAN (EXHIBITS A-D)

RECEIVED  
JUN 17 11 12 AM '92  
CARBON  
AREA

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

*David M. Snow*

TITLE

ASST. SECT.

DATE

6/8/92

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

ATTACHED

\*See Instructions On Reverse Side

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator SNOW OIL & GAS INC.			Lease (SCJ) FEDERAL		Well No. 1
Unit Letter A	Section 9	Township 20 SOUTH	Range 34 EAST	NMPM	County LEA
Actual Footage Location of Well: 330 feet from the EAST line and 660 feet from the NORTH line					
Ground level Elev. 3633.3	Producing Formation Delaware	Pool Quail Ridge (Delaware)	Dedicated Acreage: 40 Acres		
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</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.) _____</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 interest, has been approved by the Division.</p>					
				<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature <i>Dan W. Snow</i> Printed Name Dan W. Snow Position Assistant Secretary Company Snow Oil & Gas, Inc. Date June 18, 1992	
				<b>SURVEYOR CERTIFICATION</b> 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 6/17/92 Signature & Seal Professional Surveyor 	

### EXHIBIT #3

#### SUPPLEMENTAL DRILLING DATA

Snow Oil & Gas, Inc.  
SCJ Federal No. 1  
660' FNL & 330' FEL  
Sec. 9, T20S, R34E  
Lea County, N.M.

The following information is filed in accordance with 'Onshore Oil and Gas Order' No. 1:

1. Geologic Name of Surface Formation: Aeolian

2. Estimated Geological Marker Tops:

Rustler	1625'
Yates	3370'
Delaware	5440'
Bonespring	8250'

3. Estimated Depths to Oil, Gas and Water:

Water: 100' or less in alluvium and about 1000' in Triassic.

Oil: Possible Delaware @ 5400'.

4. A. Proposed Casing and Cement:

I. Surface Casing - Set @ 1600', 9 5/8", 36.0#, J-55, ST&C casing. Cement with 1600 sx cement with 2% CaCl. Cement circulate to surface.

II. Intermediate Casing - Set @ 4200', 7", 23.0#, J-55, ST&C casing.  
1st Stage: Cement with 500 sx of Lite and 1/4 lb. Flocele per sx, tailing in with 100 sx of Premium Plus neat cement. 2nd Stage: Cement with 900 sx of Lite containing 15 lb. salt and 1/4 lb. Flocele per sx, tailing with 100 sx Premium Plus containing 2% CaCl. Cement to tie to surface casing.

III. Production Casing - Set to total depth, 4 1/2", 10.5 & 11.6#, J-55, J-55, LT&C casing. Cement with 1250 sx of 50-50 Poz-P containing .6% Halad-22A and 5 lb. KCL. TOC @ 4000' casing to hang as a liner inside 7' casing. Liner will have a tie back sleeve if needed.

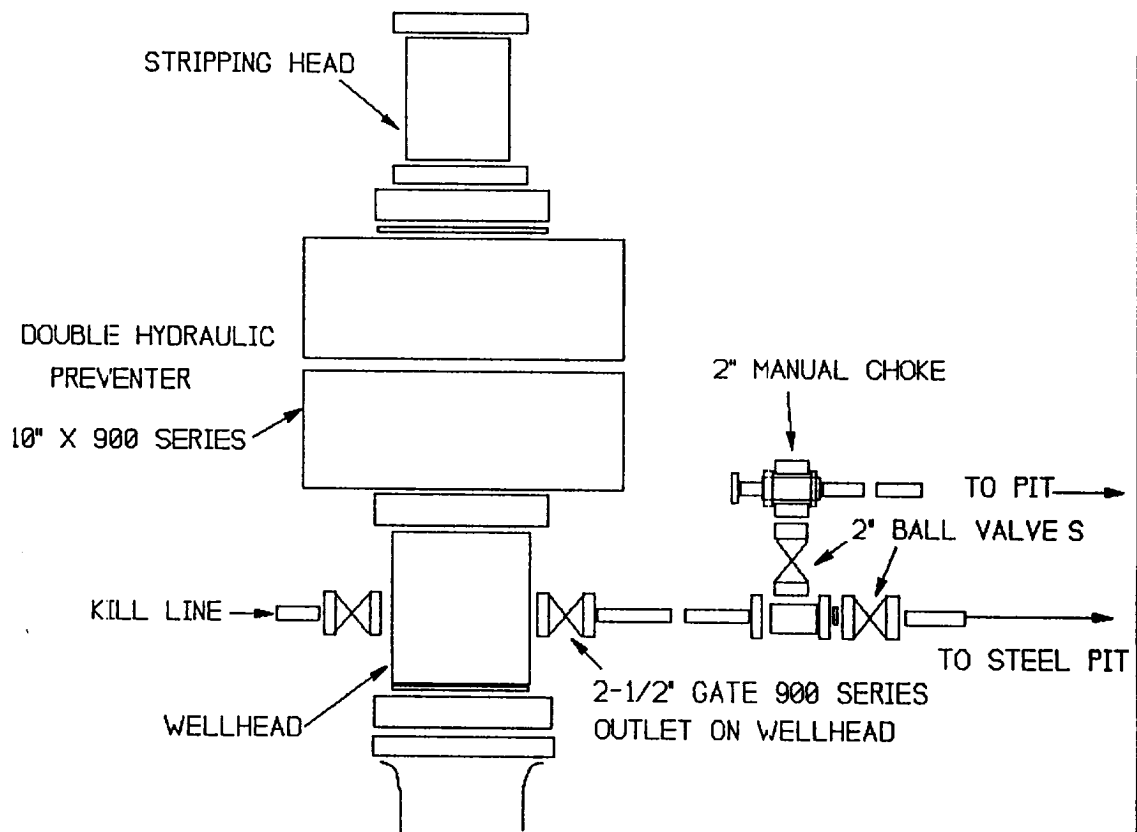
5. Proposed Mud Program:

A. Surface to 1600' will use fresh water to drill out surface hole. Maintain drill fluid at 9.3 PPG or less with addition of fresh water. Sweep hole with viscous pills to clean hole.

SNOW OIL & GAS, INC

BOP DIAGRAM

EXHIBIT #1



SCJ FEDERAL # 1