

HUNT OIL COMPANY
2900 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

November 3, 1981

NOV 05 1981

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

DEPT. OF NATURAL RESOURCES
DIVISION OF OIL & MINING

Attention: Ms. Debbie Beauregard

Re: Hunt Oil Company
State Well No. 1-16
State Lease No. ML-28306
Carbon County, Utah

Gentlemen:

Please find enclosed in duplicate Form OGC-1a, Application for Permit to Drill, along with location plat, BOP drawing and Designation of Agent, which are being submitted for a permit to drill referenced well.

Also enclosed is an originally executed Designation of Operator form from Natural Gas Corporation of California and Supron Energy Corporation, both of which designate Hunt Oil Company as operator of referenced lease.

Drilling operations are tentatively scheduled to commence on November 15, 1981.

Please contact me by telephone (collect) at (214) 744-7948 if additional information or clarification is required.

Yours truly,

HUNT OIL COMPANY


Don Patterson

DP:pf

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

State ML 28306

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

State

9. Well No.

1-16

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec.16, T14S, R11E, SLM

12. County or Parrish 13. State

Carbon County, Utah

2. Name of Operator

Hunt Oil Company

3. Address of Operator

2900 First National Bank Building, Dallas, Texas 75202

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

990' FSL and 1650' FEL

At proposed prod. zone

990' FSL and 1650' FEL

SWSS

14. Distance in miles and direction from nearest town or post office*

4 1/2 miles NE of Wellington, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

990'

16. No. of acres in lease

640

17. No. of acres assigned to this well

640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

3800'

19. Proposed depth

12,500'

20. Rotary or cable tools

Bomac Rig #91

21. Elevations (Show whether DP, RT, GR, etc.)

GR 5656'

22. Approx. date work will start*

15 November 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
24"	20"	94#	40'	Cement to Surface
17 1/2"	13 3/8"	48#	600'	950 Sx
12 1/4"	9 5/8"	36# - 40#	5750'	1800 Sx
8 3/4"	5 1/2"	17# - 20#	12,500'	650 Sx

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11/13/81

BY: *[Signature]*

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

[Signature]

Title

Staff Engineer

Date

November 3, 1981

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

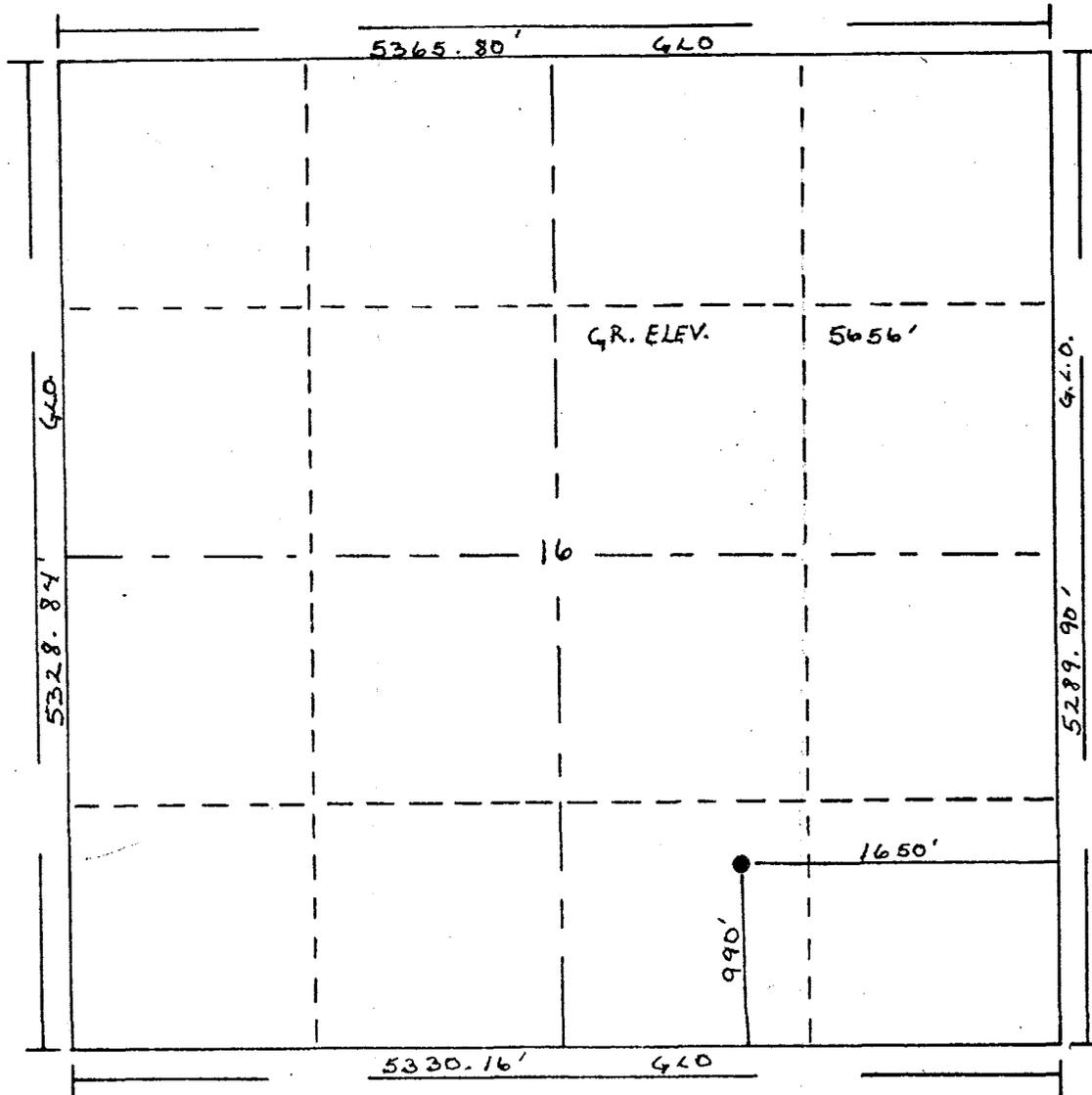
Title

Date

Conditions of approval, if any:



R. 11 E.



T. 14 S.

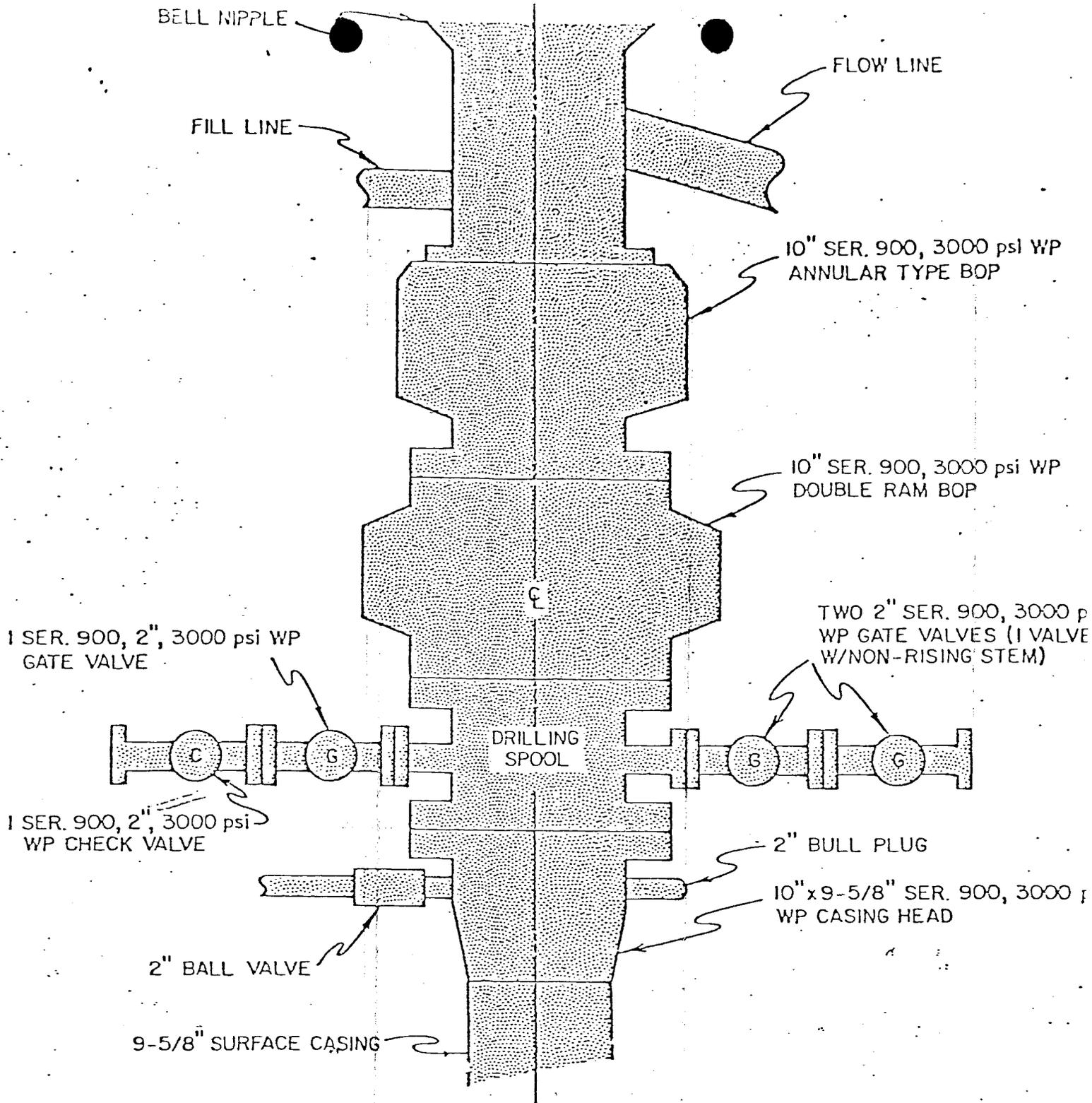
Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from **DICK TRISCH**
 for **HUNT OIL COMPANY**
 determined the location of **STATE OF UTAH 1-16**
 to be **990' FSL & 1650' FEL** Section 16 Township 14 SOUTH
Range 11 EAST OF THE SALT LAKE Meridian
CARBON County, UTAH

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
STATE OF UTAH 1-16

Date: OCTOBER 2, 1981

Edward A. Lewis
 Licensed Land Surveyor No. 5443
 State of UTAH



HUNT OIL COMPANY
STATE #1-16
SEC 16, T14S R11E
CARBON COUNTY, UTAH

DISTRIBUTION

Division of State Lands & Forestry
Department of Natural Resources
Attention Donald G. Prince, Assistant Director
Room 411 Empire Building
231 East 400 South
Salt Lake City, Utah 84111

Supron Energy Corporation
Attention Donna K. Ralli, Landman
Building V, Fifth Floor
10300 North Central Expressway
Dallas, Texas 75231

Natural Gas Corporation of California
Attention Terry McInturff, Landman
Denver Corporate Center - Tower II
7800 East Union Avenue, Suite 800
Denver, Colorado 80237

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Department of Natural Resources, Division of State Lands, holder of lease, ML 28306 :

and hereby designates

NAME: Hunt Oil Company
ADDRESS: 999 Eighteenth Street - Ste. 1330
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Division of State Lands or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

Township 14 South - Range 11 East

Section 16: All

640 acres, m/1
Carbon County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands or his representative.

The lessee agrees promptly to notify the Division of State Lands of any change in the designated operator.

NATURAL GAS CORPORATION OF CALIFORNIA

By: C. T. Clark, Jr.
(Signature of Lessee)

C. T. Clark, Jr. - Attorney-in-Fact

October 15, 1981
(Date)

7800 E. Union Ave. #800 - Denver, Co. 80237
(Address)

DIVISION OF OIL, GAS, AND MINING
OF THE STATE OF UTAH

DESIGNATION OF AGENT
* * * * *

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas, and Mining of the State of Utah, hereby, appoint Robert G. Pruitt, Jr., whose address is c/o Pruitt & Gushee, Suite 875, Beneficial Life Tower, Salt Lake City, UT, 84111, (801) 531-8446, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil, Gas, and Mining Act of The State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation July 15, 1981

Company HUNT OIL COMPANY Address 2900 First Natl Bank Bldg. Dallas, Texas 75202

By: *George Cunyus* Title Senior Vice-President
(signature)
George Cunyus, Senior Vice-President

NOTE: Agent must be a resident of the State of Utah

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of ~~Land Management~~ ^{Utah State Lands}, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: ML-28306

and hereby designates

NAME: Hunt Oil Company
ADDRESS: Suite 1330, One Denver Place
999 Eighteenth Street, Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 14 South, Range 11 East

Section 16: All

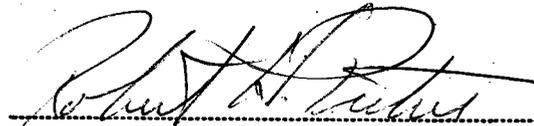
Carbon County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

SUPRON ENERGY CORPORATION



(Signature of lessee)

Robert H. Pretus, Attorney-in-Fact
Building V, Fifth Floor
10300 N. Central Expressway
Dallas, Texas (Address) 75231

October 27, 1981

(Date)

** FILE NOTATIONS **

DATE: November 13, 1981
OPERATOR: Hunt Oil Company
WELL NO: State #1-16
Location: Sec. 16 T. 14S R. 11E County: Carbon

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number 43-007-30036

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per Rule C-3(c) provided Topo
= get request and Hunt owns a control
lease upon 660' of proposed location

Administrative Aide: as per Rule C-3(c), need Topo, ab
on any other oil or gas wells.

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site

Lease Designation St. Plotted on Map

Approval Letter Written

Hot Line P.I.

HUNT OIL COMPANY
2900 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

November 5, 1981

Division of State Lands & Forestry
Department of Natural Resources
Room 411 Empire Building
231 East 400 South
Salt Lake City, Utah 84111

Attention: Mr. Donald G. Prince, Assistant Director

Re: Hunt Oil Company
State Well No. 1-16
State Lease No. ML-28306
Carbon County, Utah

Gentlemen:

Please find enclosed in duplicate State Bond No. 518-5113 and "Designation of Agent" for referenced lease which are required for approval of Application to Drill referenced well.

Please call collect if additional information or clarification is required.

Yours truly,

HUNT OIL COMPANY



Don Patterson

DP:pf

Enclosures

cc: Supron Energy Corporation
Attention Donna K. Ralli, Landman
Building V, Fifth Floor
10300 North Central Expressway
Dallas, Texas 75231

Natural Gas Corporation of California
Attention Terry McInturff, Landman
Denver Corporate Center - Tower II
7800 East Union Avenue, Suite 800
Denver, Colorado 80237

cc: State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
Attention: Ms. Debbie Beauregard
1588 West North Temple
Salt Lake City, Utah 84116

File in Duplicate

DIVISION OF OIL, GAS, AND MINING
OF THE STATE OF UTAH

DESIGNATION OF AGENT
* * * * *

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas, and Mining of the State of Utah, hereby, appoint Robert G. Pruitt, Jr., whose address is c/o Pruitt & Gushee, Suite 875, Beneficial Life Tower, Salt Lake City, UT, 84111, (801)531-8446, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil, Gas, and Mining Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation November 3, 1981

Company HUNT OIL COMPANY Address 2900 First Natl Bank Bldg.
Dallas, Texas 75202

By: *George Cunyus* Title Senior Vice-President
(signature)
George Cunyus *Jan*

NOTE: Agent must be a resident of the State of Utah

November 13, 1981

Hunt Oil Company
2900 First National Bank Bldg.
Dallas, Texas 75202

RE: Well No. State #1-16,
Sec. 16, T. 14S, R. 11E,
Carbon County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, this is providing a topographical or geological request and a statement of ownership of acreage within a 660' radius of the well site is received in this office within the next 2 weeks.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-007-30071.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Cleon B. Feight
Director

db/CBF
CC: State Lands

HUNT OIL COMPANY
2900 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

December 4, 1981

RECEIVED
DEC 07 1981

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

Attention: Ms. Debbie Beauregard

Re: Hunt Oil Company
State Well No. 1-16
State Lease No. ML-28306
Sec. 16, T14S, R11E
Carbon County, Utah

Gentlemen:

The necessity for the unorthodox location for referenced well is based on geological conditions, and Hunt Oil Company owns and/or controls the oil and gas leases within a radius of 660 feet of the referenced well location.

Please contact me by telephone (collect) at Area Code 214-744-7948 if additional information or clarification is required.

Yours truly,

HUNT OIL COMPANY



Don Patterson

DP:pf

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Hunt Oil

WELL NAME: State #1-16

SECTION 16 TOWNSHIP 14S RANGE 11E COUNTY Carbon

DRILLING CONTRACTOR Bomac Drilling

RIG # 91

SPUDED: DATE 12-7-81

TIME 2:30 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Claude Leifeste

TELEPHONE # 637-3520 #288

DATE 12-8-81 SIGNED DB

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Hunt Oil Company Representative Claude Teifiseste

Well No. State #1-16 Location 1/4 1/4 Section 16 Township 14S Range 11E

County Carbon Field Wildcat State UT

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 12,140 ✓ Size hole and Fill per sack _____ " _____ ' and Top _____ #/gal. _____ ' _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>13 3/8"</u>	<u>600'</u>	<u>Surface</u>	_____	_____	<u>12,140' 150'</u>	<u>50 Sax</u>
<u>9 5/8"</u>	<u>6310'</u>	<u>Surface</u>	_____	_____	<u>7705' 100'</u>	<u>50 Sax</u>
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	_____	<u>6900' 100'</u>	<u>50 Sax</u>
<u>Mancos</u>	<u>Surface</u>	<u>1016'</u>	_____	_____	<u>Surface</u>	<u>20 Sax</u>
<u>Dakota</u>	<u>1500'</u>	_____	_____	_____	_____	_____
<u>Entrada</u>	<u>3422'</u>	<u>These are the most important formations. There were 27 formations penetrated.</u>			_____	_____
<u>Coconco</u>	<u>6950'</u>	_____	_____	_____	_____	_____
<u>Deseret</u>	<u>11,640'</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

REMARKS

DST's, lost circulation zones, water zones, etc., Casing is setting in top of the sinbad at 6203. Well dry all the way down. Heavy mud between holes.

Approved by CBF Date 4-9-82 Time _____ a.m. RXX

SUBMIT IN DUPLICATE*

STATE OF UTAH

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

State of Utah ML-28306
5. LEASE DESIGNATION AND SERIAL NO.
State of Utah ML-28306
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
HUNT OIL COMPANY

3. ADDRESS OF OPERATOR
100 North 27 Street, Suite 550, Billings, MT 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 990' FSL and 1650' FEL
At top prod. interval reported below 990' FSL and 1650' FEL
At total depth 990' FSL and 1650' FEL

RECEIVED
MAY 03 1982

7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
State of Utah
9. WELL NO.
10-16

10. FIELD AND POOL, OR WILDCAT
Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
16-14S-11E SLM

14. PERMIT NO. 43-007-300-11
DATE 11-13-81
Feb 8/82

12. COUNTY OR PARISH Carbon
13. STATE Utah

15. DATE SPUNDED Dec. 7/81
16. DATE T.D. REACHED April 11/82
17. DATE COMPL. (Ready to prod.) April 16/82
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5650' Ground
19. ELEV. CASINGHEAD 5676'

20. TOTAL DEPTH, MD & TVD 12,153
21. PLUG, BACK T.D., MD & TVD -
22. IF MULTIPLE COMPL., HOW MANY* -
23. INTERVALS DRILLED BY ROTARY TOOLS 0-12,153'
CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
-- Deseret
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, M/SFL, CNL-FDC, Integrated BHC, Dipmeter, Vertical Seismic Profile
27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	59'	26"		None
13-3/8"	48#	616'	17 1/2"	950 sks Class H + additives	-
9-5/8"	40#	6,310'	12 1/4"	1st stage 665 sks halcolite + additives 2nd stage 1200 sks halcolite + additives	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
--				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
--		

31. PERFORATION RECORD (Interval, size and number)
N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION N/A
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Core #1 and Core #2

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Dick Trich TITLE District Superintendent DATE 4-22-82

Dick Trich *(See Instructions and Spaces for Additional Data on Reverse Side)

15

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency 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. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), completion and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROSITY ZONES:		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Elephant Canyon	8,705	8,773	DST#1: no water cushion, tool open 15 & 60 IF: 47-59, IST: 1185, FF: 34-47, FSI: 1210. Recovered: 120' SGCM&W
Paradox	10,092	10,296	DST#2: no water cushion, tool open 15, 31 and 60. 1st Flow-147-172, 1st SI: 4634. 2nd Flow 285-335, 2nd SI: 3318, 3rd Flow 360-485, FF: 3894. Recovered: 963' DM w/trace of gas
Deseret	9,312	9,406	DST #'s 3 and 4 Mistrun

STATE OF UTAH 1-16

Core #1: 8728-8773' Cut 45', Recovered 45'

- 8728-30' Dolomite, dark gray, microcrystalline to dense with 3/4" to 1" round to oval, white, crystalline to granular anhydrite nodules and partings.
- 8730-32' Shale, dark gray to black, firm, fissile, micaceous, carbonaceous laminations with thin 1/4" to 1/2" dark gray dolomite and granular anhydrite streaks, some anhydrite filled vertical closed fractures.
- 8732-34' Sandstone, medium gray to white, fine to medium grained, subangular to subrounded, moderately sorted, well cemented, slightly micaceous, with light gray to clear calcite in 1/8" veinlets, partings and inclusions.
- 8734-44' Sandstone, light to medium dark gray, very fine to medium grained, subrounded, moderately sorted, well cemented, very dolomitic, with some calcite filled veinlets, some crystalline calcite filled open vertical fractures at 8741-44'.
- 8744-51 Shale and mudstones, dark gray, hard, blocky, very micaceous (muscovite), with dark gray to black carbonaceous partings, some calcite filled closed hairline fractures.
- 8751-61 Sandstone, medium gray to clear, fine to very coarse grained, subangular, poorly sorted, very dolomitic, micaceous, pyritic, interbedded with dark gray to black mudstone and dolomite, very micaceous, pyritic, and anhydrite partings and inclusions.
- 8761-73' Shale and mudstone, dark gray to black, dense, blocky to fissile, very dolomitic, very micaceous, interbedded with dolomite, dark gray microcrystalline, dense, very argillaceous, micaceous, silty in part. (Rubble zones abundant in lower 12' with abundant vertical and horizontal fractures).

Entire core was hard and tight.
No shows of oil in the entire core.

Plugged 8 places: 8733-34, 37-38, 40-41, 41-42, 42-43, 52-53, 57-58, 60-61.

STATE OF UTAH 1-16

Core #2: 10,262' - 10,296' Cut 34', Recovered 28'.

Black shale with silt and sand, stringers from $1/32''$ to $1/4''$ thick through entire core, bottom 6' to 7' sand increased, slight florescence 10,268' to 69' and 83' to 84', no apparent porosity.