

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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. U-056794	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Hershey Oil Corporation			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR %Steedley & Associates, P.O. Box 971, Basin, WY 82410			8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL 1830' FEL (NW½SE½) At proposed prod. zone Same			9. WELL NO. Hershey Federal #33-13	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 8 miles east of Bluff, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat Turner Bluff	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		16. NO. OF ACRES IN LEASE 560	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. 1180'		19. PROPOSED DEPTH 5750'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4538' GR			22. APPROX. DATE WORK WILL START* July 1, 1984	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# H40	1500'	cement to surface
7 7/8"	5 1/2"	17# J55	5750'	150 sacks

Operator proposes to drill a 5750' Akah Test.

All significant shows of oil and gas will be evaluated.

If well is productive, 5 1/2" casing will be run and set with 150 sacks cement. This will protect all water zones encountered in the drilling of this well. If well is dry, it will be plugged and abandoned in accordance with BLM requirements.

Bottom Hole Pressure of this well is estimated to be 2473 psi.

Safety Hazards - See Eight Point Compliance Plan.

**RECEIVED**

JUN 15 1984

DIVISION OF OIL  
GAS & MINING

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 prevention program, if any.

24. SIGNED David Steedley TITLE Agent for Hershey DATE June 4, 1984

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL \_\_\_\_\_

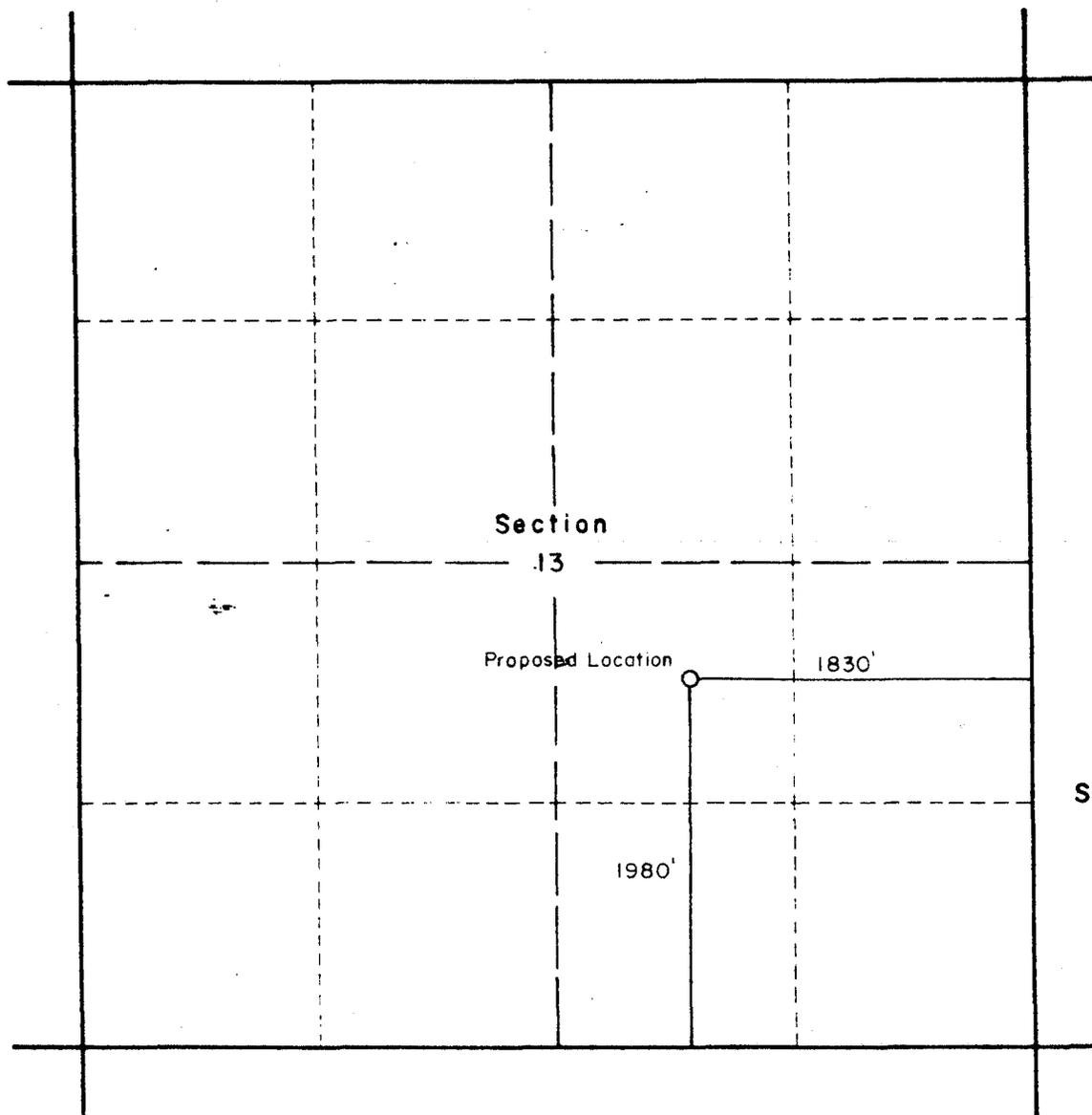
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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

DATE: June 18, 1984  
BY: John R. Dyer



Scale: 1" = 1000'

**WELL LOCATION: HERSHEY OIL CORP. - FEDERAL NO. 33-13**

Located 1980 feet North of the South line and 1830 feet West of the East line of Section 13,  
 Township 40 South, Range 22 East, Salt Lake Base & Meridian,  
 San Juan County, Utah.  
 Existing ground elevation determined at 4538 feet based on adjoining locations

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor

HERSHEY OIL CORPORATION Basin, Wyoming	
WELL LOCATION PLAT Federal No. 33-13 Sec 13, T. 40 S., R. 22 E. San Juan County, Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: MAY 22, 1984 FILE NO: 84027

REQUIREMENTS FOR ORDER I APPLICATIONS TO CONDUCT  
OIL AND GAS DRILLING OPERATIONS ON FEDERAL LEASES

Attached to Form 9-331C

Company: Hershey Oil Corporation                      Lease No.: U-56794  
Well: Hershey Federal #33-13  
Well Location: 1980' FSL 1830' FEL (NW $\frac{1}{4}$ SE $\frac{1}{4}$ ), Sec. 13, T. 40 S., R. 22 E.  
San Juan County, Utah

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. TOPS OF GEOLOGIC MARKERS

<u>Formation</u>	<u>Elevation</u>
Morrison	Surface
Entrada	545' - Fresh water potential
Navajo	645' - Fresh water potential
White Rim	2595' - Heavy oil shows
Cedar Mesa	3470' - Possible major water production
Upper Ismay	5322'
Lower Ismay	5457'
Desert Creek	5557'
Akah	5655'
TD	5750' - Oil or gas

2. ANTICIPATED DEPTHS OF WATER, OIL, GAS, OR MINERAL

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Entrada	545'	Fresh water potential
Navajo	645'	Fresh water potential
White Rim	2595'	Heavy oil shows
Cedar Mesa	3470'	Possible major water production
Akah	5655'	Oil or gas

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Exhibit "C" is a schematic diagram of the Blowout Preventor Equipment. The BOPs will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period and blind rams with annular preventors each time the pipe is pulled out of the hole.

Accessories to BOP's include an upper kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

All casing strings shall be pressure tested (0.2 psi/ft or 1000 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

Pressure Control Equipment - All ram-type preventors and related control equipment will be tested at the rated working pressure of the stack assembly, or at 70% of the minimum internal yield pressure of the casing, whichever is less.

4. PROPOSED CASING PROGRAM

<u>Size</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Condition</u>	<u>Depth Set</u>
8 5/8"	H40	24#	New	1500'
5 1/2"	J55	17#	New	5750'

AUXILIARY EQUIPMENT TO BE USED

- A. A kelly cock will be kept in the string at all times.
- B. A float will not be used.
- C. A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

5. CIRCULATING MUDS

Mud systems will be gel-chemical with adequate stocks of sorptive agents and other materials on site to handle any anticipated downhole problems as well as possible spills of fuel and oil on the surface.

- A. 0 - 1500': Spud with native mud.
- B. 1500' - 4800': Fresh water or mud as necessary for hole conditions.
- C. 4800' - TD: Mud with the following properties:
  - Weight of Mud: 8.9 - 9.4 #/gal
  - Viscosity: 30 to 40 sec.
  - Water Loss: 12 - 15cc.

6. TESTING, LOGGING, AND CORING PROGRAMS

- A. Possible DST's: 1 DST in Lower Ismay  
1 DST in Desert Creek
- B. Logging Program and Interval:
  - Dual Induction - SFL: Surface csg to TD
  - Possible Acoustic: Surface csg to TD
  - Density/Neutron: 2500' to TD
- C. Possible cores will be taken in the Lower Ismay and Desert Creek
- D. Well will be acidized with 13,000 gal or less 20% HCL

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

7. BOTTOM HOLE PRESSURE, H<sub>2</sub>S, POTENTIAL HAZARDS

Bottom Hole Pressure is estimated to be 2473 psi.

No abnormal pressures or temperatures have been noted or reported in wells drilled in this area, nor at the depths anticipated in this well.

H<sub>2</sub>S is not known to exist in this area.

8. ANTICIPATED STARTING DATES AND NOTIFICATIONS OF OPERATIONS:

The operator will contact the San Juan Resource Area at 801-578-2201, 48 hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.

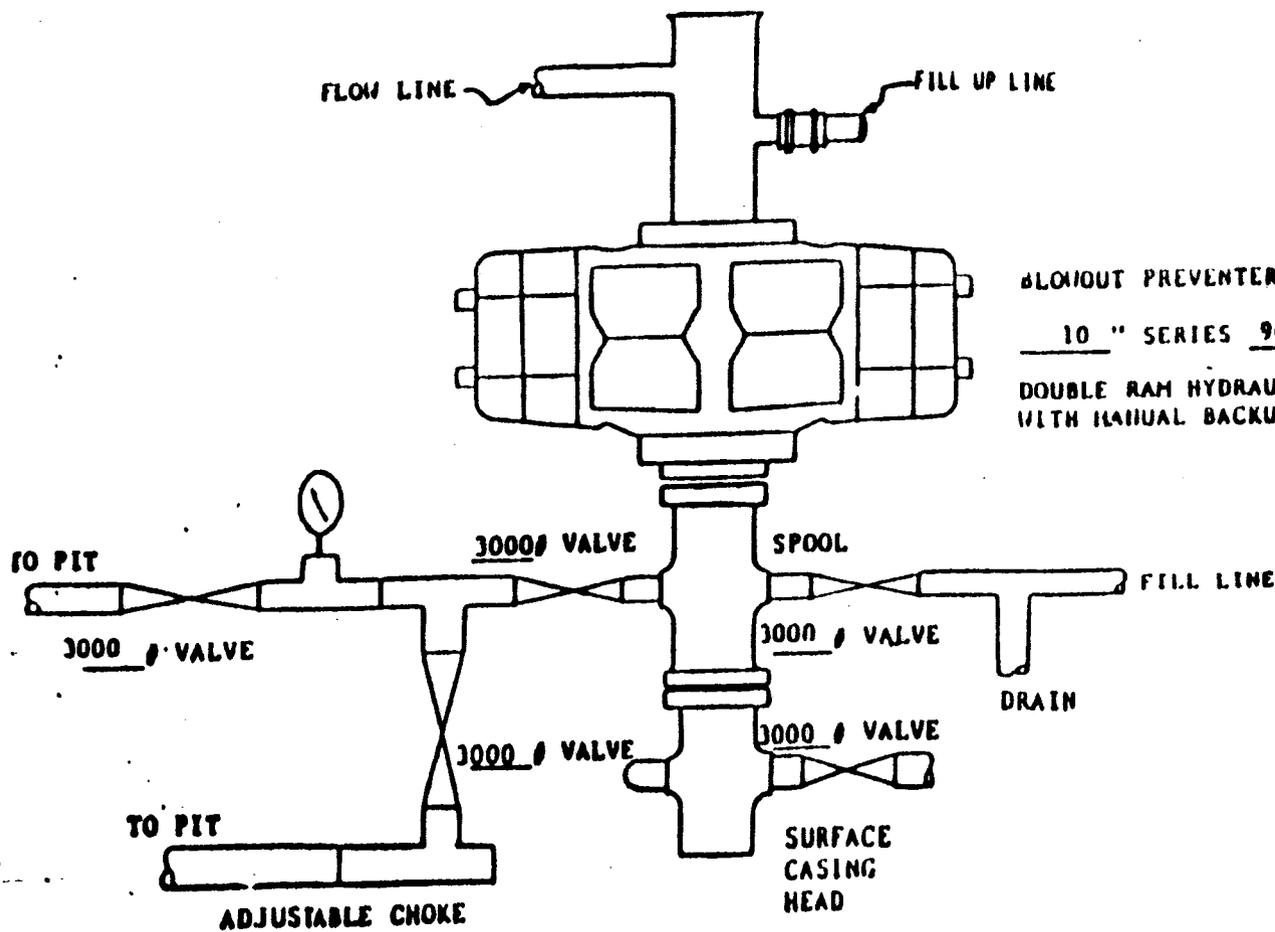
If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than the first business day following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate Surface Managing Agency.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The operator will schedule the conference with the San Juan Area Manager.



ALL VALVES & FITTINGS ARE TO BE 3" SERIES 900 FLANGED

**SPECIFICATIONS FOR BLOWOUT  
PREVENTERS & CONTROL MANIFOLD**

WELL NO. Hershey Federal #33-13

LOCATION NWSE Sec. 13, T40S, R22E

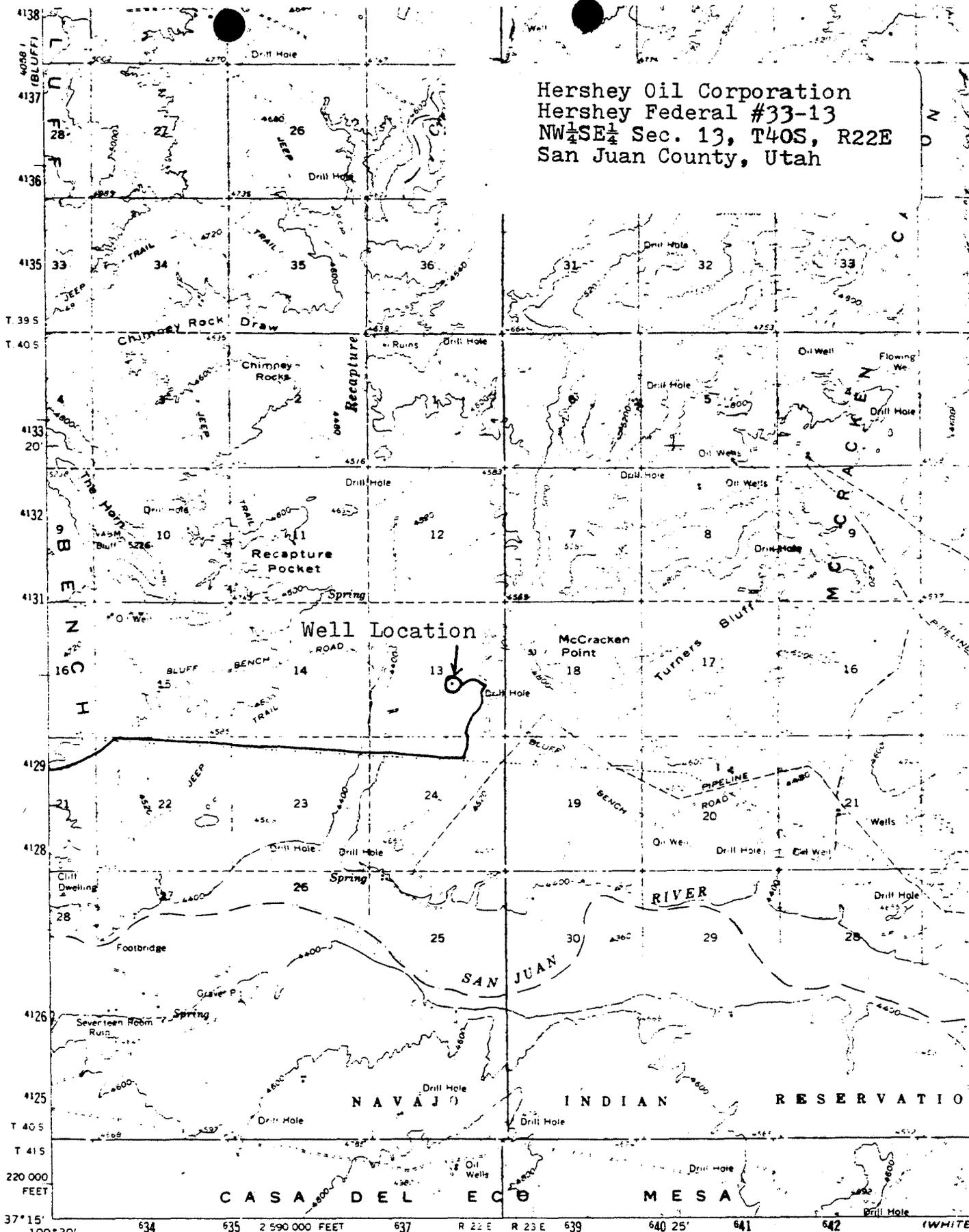
San Juan County, Utah

DRAWING NO. "C"

BLOWOUT PREVENTER  
10" SERIES 900  
DOUBLE RAM HYDRAULIC  
WITH MANUAL BACKUP

1. BOP valves and all working fittings should be in good working condition.
2. All bolts to be installed and tight.
3. All valves to be 3000# W.P. or better.
4. The BOP will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period and blind rams with annular preventors each time the pipe is pulled out of the hole.
5. All crew members to be familiar with BOP and accumulators.
6. Keep hole full on trips.
7. Use only flange type fittings.
8. Recheck bolts for tightness before 5000 ft. or entering production zones.
9. When drilling use;  
Top preventer-drill pipe rams.  
Bottom preventer blind rams.
10. When running casing use;  
Top preventor-casing rams.  
Bottom preventer blind rams.
11. Test BOP for operation daily, log all tests.

Hershey Oil Corporation  
 Hershey Federal #33-13  
 NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 13, T40S, R22E  
 San Juan County, Utah



Mapped, edited, and published by the Geological Survey

Control by USGS and JSC&GS

Topography by photogrammetric methods from aerial photographs taken 1959. Field checked 1962

Polyconic projection. 1927 North American datum  
 10,000-foot grid based on Utah coordinate system, south zone  
 1000-meter Universal Transverse Mercator grid ticks,  
 zone 12, shown in blue

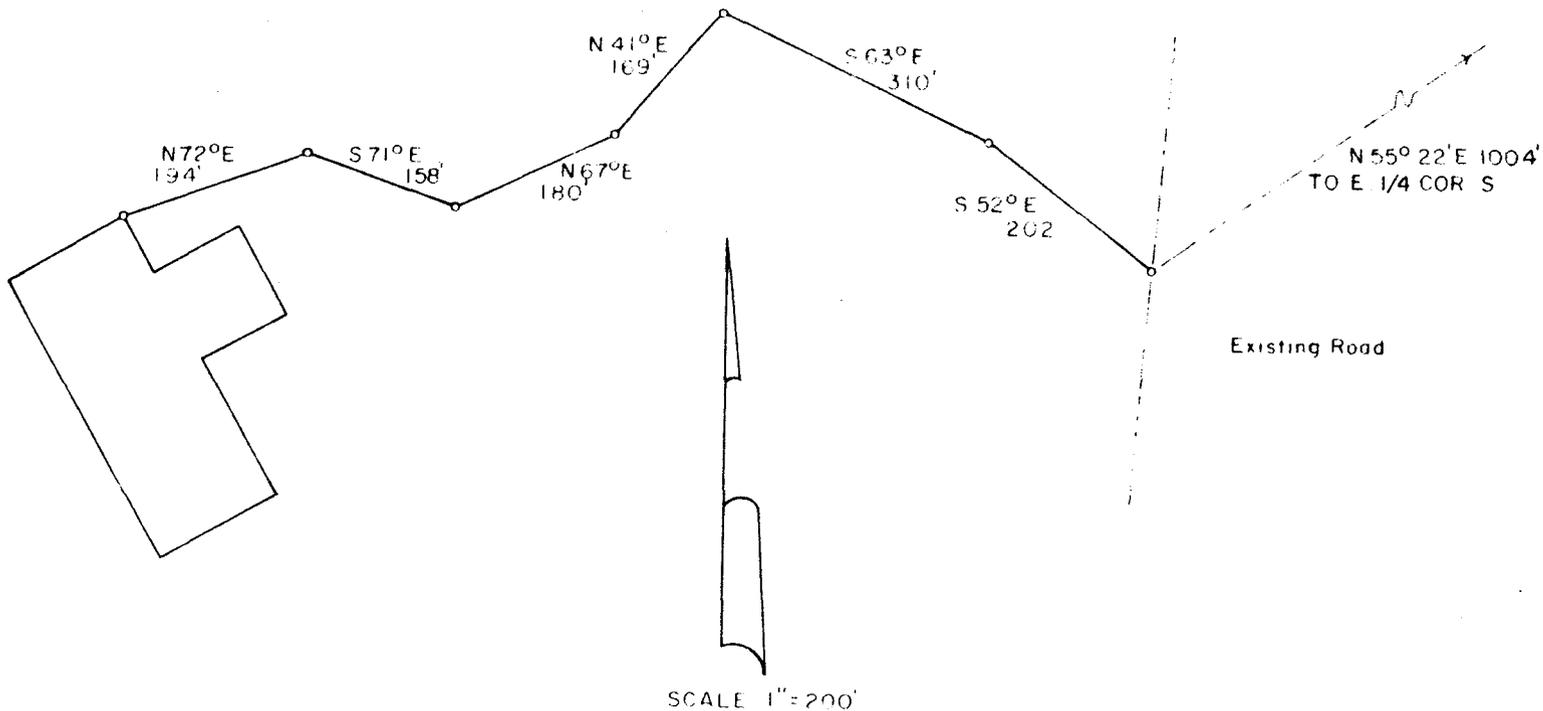
Where omitted, and lines have not been established

UTM GRID AND 1962 MAGNETIC NORTH-DECLINATION AT CENTER OF SHEET



CONTOUR  
 DOTTED LINES RE  
 DATUM

BOUNDARY BUTTE  
 4058 II



I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

  
 FREDERICK H. REED  
 Registered Land Surveyor

HERSHEY OIL CORPORATION  
Basin, Wyoming

WELL ACCESS ROAD  
 Federal No 33-13  
 Sec 13, T 40S, R 22E.  
 San Juan County, Utah

CLARK-REED & ASSOC.  
Durango, Colorado

DATE: MAY 22, 1984  
FILE NO: 84027

OPERATOR Hershey Oil Corporation DATE 6/18/84

WELL NAME Hershey Fed #33-13

SEC NWSE 13 T 40S R 22E COUNTY San Juan

43-037-31026  
API NUMBER

Fed  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other oil wells within 1000'  
Need water permit

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

1- Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

June 18, 1984

Hershey Oil Corporation  
c/o Steedley & Associates  
P. O. Box 971  
Basin, Wyoming 82410

RE: Well No. Hershey Federal #33-13  
NWSE Sec. 13, T. 40S, R. 22E  
1980' FSL, 1830' FEL  
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-3-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John K. Saza, Petroleum Engineer, (Office) (301) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2

Hershey Oil Corporation  
Well No. Hershey Fed. #33-13  
June 18, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31020.

Sincerely,

  
R. J. Firth  
Associate Director, Oil & Gas

RJF/as

cc: Branch of Fluid Minerals

Enclosures

RECEIVED

REC'D MDO JUN 13 1984 43 6/13

Form 9-331 C (May 1963)

SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

JUL 16 1984 UNITED STATES DEPARTMENT OF THE INTERIOR

DIVISION OF OIL 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  
 Hershey Oil Corporation

3. ADDRESS OF OPERATOR  
 %Steedley & Associates, P.O. Box 971, Basin, WY 82410

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface: 1980' FSL 1830' FEL (NW $\frac{1}{2}$ SE $\frac{1}{2}$ )  
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 8 miles east of Bluff, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 560

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. 1180'

19. PROPOSED DEPTH 5750'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4538' GR

22. APPROX. DATE WORK WILL START\* July 1, 1984

5. LEASE DESIGNATION AND SERIAL NO.  
 U-056794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
 Hershey Federal #33-13

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 13, T40S, R22E

12. COUNTY OR PARISH | 13. STATE  
 San Juan | Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# H40	1500'	cement to surface
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Operator proposes to drill a 5750' Akah Test.

All significant shows of oil and gas will be evaluated.

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Bottom Hole Pressure of this well is estimated to be 2473 psi.

Safety Hazards - See Eight Point Compliance Plan.

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 Steedley TITLE Agent for Hershey DATE June 4, 1984

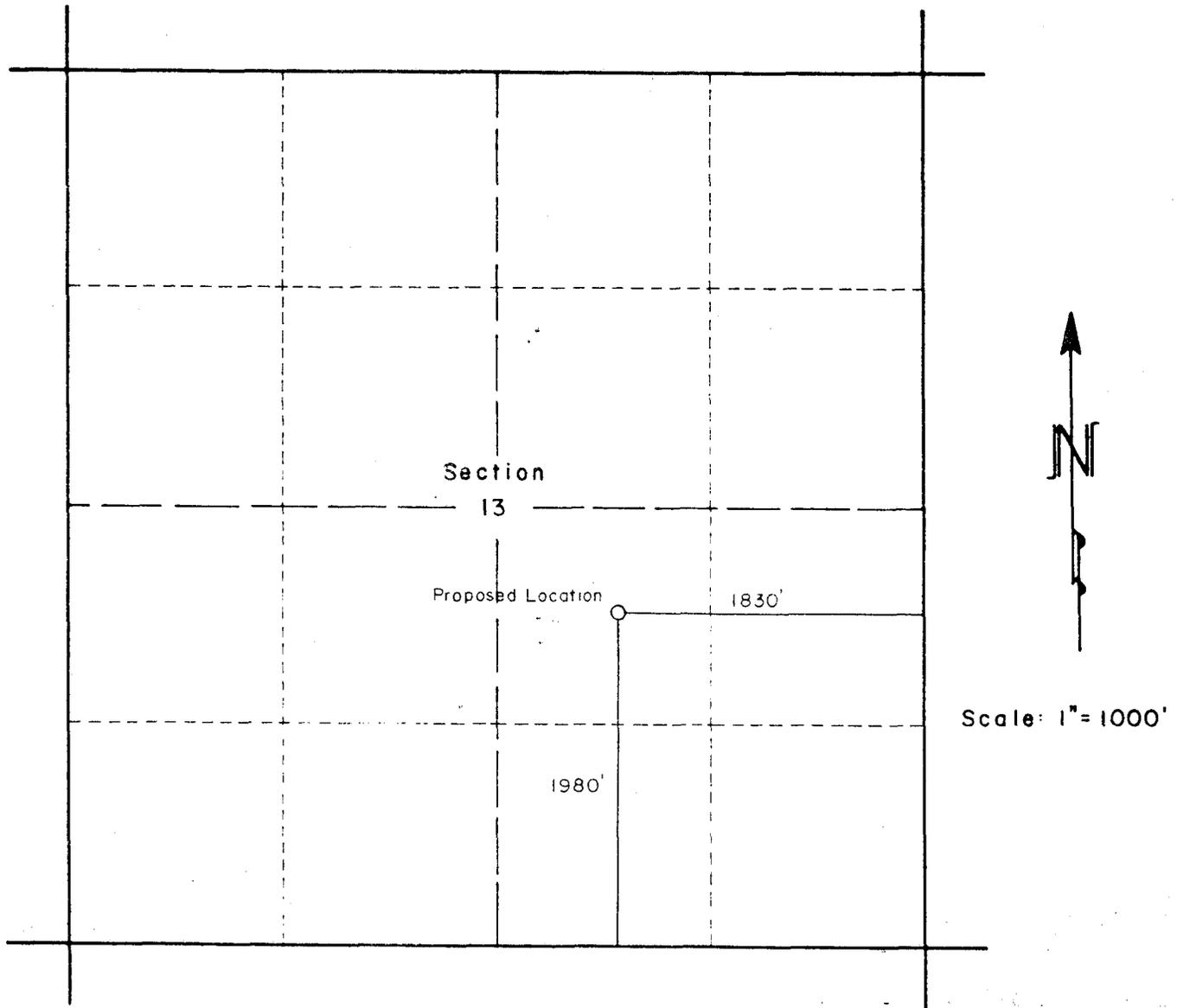
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY /S/ GENE MODINE TITLE DISTRICT MANAGER DATE 12 JUL 1984  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL

FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

DOB M



**WELL LOCATION: HERSHEY OIL CORP. - FEDERAL NO. 33-13**

Located 1980 feet North of the South line and 1830 feet West of the East line of Section 13,  
 Township 40 South, Range 22 East, Salt Lake Base & Meridian,  
 San Juan County, Utah.  
 Existing ground elevation determined at 4538 feet based on adjoining locations

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor

HERSHEY OIL CORPORATION Basin, Wyoming	
WELL LOCATION PLAT Federal No. 33-13 Sec 13, T. 40 S., R. 22 E. San Juan County, Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: MAY 22, 1984 FILE NO: 84027

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Hershey Oil Co. Representative \_\_\_\_\_  
 Well No. 33-13 Location 1/4 1/4 Section 13 Township 40S Range 22E  
 County San Juan Field \_\_\_\_\_ State Ut.

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 5725' Size hole and Fill per sack 1 7/8" Mud Weight and Top 10.1 #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements	
				From	To
<u>8 7/8</u>	<u>1525'</u>	<u>contd. to surface</u>	<u>①</u>	<u>100'</u>	<u>above top Desert Creek.</u>
			<u>②</u>	<u>100'</u>	<u>above Upper Ismay.</u>
			<u>③</u>	<u>2455' - 2355'</u>	<u>Hermosa</u>
<u>Hermosa</u>	<u>2455'</u>	<u>water flow</u>			<u>Water flow -</u>
<u>Upper Ismay</u>	<u>5403'</u>		<u>④</u>	<u>100'</u>	<u>plug @ shoe of 8 7/8</u>
<u>Desert Creek</u>	<u>2612'</u>		<u>⑤</u>	<u>Surface plug, 10' avs.</u>	<u>w/ marker.</u>

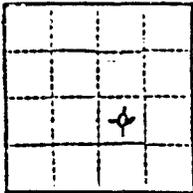
REMARKS

DST's, lost circulation zones, water zones, etc.,  
no appreciable

Approved by R. J. Fitch Date 8/8/84 Time \_\_\_\_\_ a.m.  
 p.m.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
CONSERVATION DIVISION

Sec. 13  
T. 40 S.  
R. 22 E.



INDIVIDUAL WELL RECORD

SLB& Mer.  
43-037-31026  
Ref. No. \_\_\_\_\_

PUBLIC LAND: Date August 29, 1984

Land office Utah State Utah  
Serial No. 056794 County San Juan  
Lessee Hershey Oil Corporation, et al Field Wildcat  
Operator Hershey Oil Corporation District Moab  
Well No. Hershey Federal 33-13 Subdivision NWSE

Location 1980' FSL; 1830" FEL

Drilling approved July 12, 1984 Well elevation 4538' GR \_\_\_\_\_ feet

Drilling commenced July 22, 1984 Total depth 5735' \_\_\_\_\_ feet

Drilling ceased August 7, 1984 Initial production \_\_\_\_\_

Oral to Abandon  
Completed for production August 8, 1984 Gravity A. P. I. \_\_\_\_\_

SRA  
Abandonment approved Jan. 11, 1990 Initial R. P. \_\_\_\_\_

Geologic Formations FAN Approved June 17, 1991 Productive Horizons

Surface	Lowest tested	Name	Depths	Contents
<u>Morrison</u>	<u>Chimney Rock</u>			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1984							7/22 SPUD	8/9 P&A SRA rec'd				
1990	SRA Apprvd 1/11/90											
1991						FAN Approved						

REMARKS Geologic Markers: Honaker Trail - 4336'; Upper Ismay - 5403'; Lower Ismay - 5521'; Gothic Shale - 5568'; Desert Creek - 5612'; Chimney Rock - 5720'  
Casing Record: 8-5/8" @ 1512.83' w/750 sxs

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Hershey Oil Corporation

3. ADDRESS OF OPERATOR  
999 18th St., #1025, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FSL, 1830' FEL (NW $\frac{1}{4}$ SE $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)			

5. LEASE  
U-056794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
Hershey Federal #33-13

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 13-T40S-R22E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
43-037-31026

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4538' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plug and abandon on August 9, 1984  
Cement as follows:  
Plug #1: 5512'-5612' - 32 sx  
Plug #2: 5303'-5403' - 32 sx  
Plug #3: 2405'-2505' - 32 sx  
Plug #4: 1475'-1575' - 34 sx  
Plug #5: surface - 10 sx

**ACCEPTED**  
**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**  
DATE: 8/27/84  
BY: John R. Buse

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED Harold K. Pearson TITLE Office Manager DATE 8/9/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Hershey Oil Corporation

3. ADDRESS OF OPERATOR  
999 18th St., #1025, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FSL, 1830' FEL (NW $\frac{1}{4}$ SE $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
U-056794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
Hershey Federal #33-13

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 13-T40S-R22E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
43-037-31026

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4538' GR

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plug and abandon on August 9, 1984  
Cement as follows:  
Plug #1: 5512'-5612' - 32 sx  
Plug #2: 5303'-5403' - 32 sx  
Plug #3: 2405'-2505' - 32 sx  
Plug #4: 1475'-1575' - 34 sx  
Plug #5: surface - 10 sx

**ACCEPTED**  
**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**  
DATE: 8/27/84  
BY: John R. Baya

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Harold K. Peterson TITLE Office Manager DATE 8/9/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



# HERSHEY OIL CORPORATION

ROCKY MOUNTAIN DIVISION

One Denver Place · 999 18th Street · Tower II · Suite 1025 · Denver, Colorado 80202

Telephone: (303) 293-2110 · Telecopier: (303) 293-2137

August 21, 1984

RECEIVED

AUG 23 1984

DIVISION OF OIL  
GAS & MINING

Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Re: Hershey Federal #33-13 ·  
NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec 13-T40S-R22E  
San Juan County, Utah

Gentlemen:

Enclosed herewith is the Federal Well Completion Report on the above referenced well for your files. The Utah Report of Water Encountered During Drilling and the logs pertaining to this well are also enclosed for your records.

If you have any questions, please contact me.

Cordially,

HERSHEY OIL CORPORATION

Marilyn K. Ransom  
Office Manager

Encs.

RECEIVED

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, UT 84114

AUG 23 1984

DIVISION OF OIL  
GAS & MINING

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Hershey Federal #33-13 API #43-037-31026  
999 18th Street, #1025  
Operator Hershey Oil Corporation Address Denver, Colorado 80202  
Contractor Energy Search Drilling Address \_\_\_\_\_  
Location NW 1/4 SE 1/4 Sec. 13 T. 40S R. 22E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	5672'	5735'	1200'	Salty
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



# HERSHEY OIL CORPORATION

ROCKY MOUNTAIN DIVISION

One Denver Place · 999 18th Street · Tower II · Suite 1025 · Denver, Colorado 80202

Telephone: (303) 293-2110 · Telecopier: (303) 293-2137

August 23, 1984

Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Attention: Stephanie

Re: Hershey Federal #33-13  
NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec 13-T40S-R22E  
San Juan County, Utah

**RECEIVED**

**AUG 27 1984**

**DIVISION OF OIL  
GAS & MINING**

Dear Stephanie:

Attached herewith is a corrected copy of the Well Completion Report for the referenced well. Also enclosed are copies of the Sundry Notices and Reports on Wells regarding abandonment of this well.

If you have any additional questions, please contact me.

Cordially,

HERSHEY OIL CORPORATION

Marilyn K. Ransom  
Office Manager

Encs.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

RECEIVED

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 AUG 27 1984

2. NAME OF OPERATOR  
Hershey Oil Corporation

3. ADDRESS OF OPERATOR  
999 18th St., #1025, Denver, Colorado, 80202

DIVISION OF OIL  
GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FSL, 1830' FEL (NW $\frac{1}{4}$ SE $\frac{1}{4}$ )  
At top prod. interval reported below Same  
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.  
U-056794

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Hershey Federal

9. WELL NO.  
#33-13

10. FIELD AND POOL, OR WILDCAT  
Wildcat-Turner Bluff

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec 13-T40S-R22E

14. PERMIT NO. 43-037-31026  
DATE ISSUED 7/12/84

12. COUNTY OR PARISH San Juan  
13. STATE Utah

15. DATE SPUDDED 7/22/84  
16. DATE T.D. REACHED 8/7/84  
17. DATE COMPL. (Ready to prod.) --  
18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4538' GR  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5735'  
21. PLUG, BACK T.D., MD & TVD --  
22. IF MULTIPLE COMPL., HOW MANY\* --  
23. INTERVALS DRILLED BY -- ROTARY TOOLS 0'-5735'  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
None  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL/GR, FDC/CNL/GR, Sonic/GR  
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1512.83'	12 $\frac{1}{4}$ "	550 sx Lite w/2% CC, $\frac{1}{4}$ #/sk LCM, 200 sx Class "B" w/2% CC, $\frac{1}{4}$ #/sk LCM	None

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)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

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

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

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

35. LIST OF ATTACHMENTS  
Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Office Manager DATE 8/23/84

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

# 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.), formation 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 POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38.

### GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Honaker Trail	4336'	
Upper Ismay	5403'	
Lower Ismay	5521'	
Gothic Shale	5568'	
Desert Creek	5612'	
Chimney Rock	5720'	