

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

L.A. well never drilled 4-9-82

DATE FILED 10-15-80

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U-14646

INDIAN

DRILLING APPROVED: 10-21-80

SPUDDED IN:

COMPLETED: PUT TO PRODUCING

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 5479' GR

DATE ABANDONED: L.A. well never drilled 4-9-82

FIELD: ~~WILDCAT~~ 3/86 Love Field

UNIT: LOVE UNIT

COUNTY: UINTAH

WELL NO. LOVE #1-5

API NO. 43-047-30801

LOCATION 1322' FT. FROM (S) LINE.

1177' FT. FROM (W) LINE.

NW SW

1/4 - 1/4 SEC. 5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				11S	21E	51	COTTON PETROLEUM CORP.

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

12

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
 Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
 717 17th Street, Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: CSW Sec. 5, T11S, R21E
 At proposed prod. zone: 1322 FSL & 1177 FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 1177' NW SW

5. LEASE DESIGNATION AND SERIAL NO.
 U-14646

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Love Unit

8. FARM OR LEASE NAME
 N/A

9. WELL NO.
 1-5

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 5, T11S, R21E

12. COUNTY OR PARISH | 13. STATE
 Uintah | Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1177'

16. NO. OF ACRES IN LEASE 800

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.

19. PROPOSED DEPTH 7300'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5479' GR

22. APPROX. DATE WORK WILL START* 1-1-81

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48 lbs	200'	140 sacks
12-1/4"	8-5/8"	24 lbs	2,500'	500 sacks
8-3/4"	4-1/2"	11.6 lbs	7,300'	1,000 sacks, DV tool @ 2,500'

Drill 7300' Mesa Verde Test. Drill 17-1/2" surface hole to 200' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 70% of casing yield (1200psi), before drilling out, test BOP operation daily and record. Drill 12-1/4" hole to 2500' with brine water to clean hole, set 8-5/8" casing with 500 sacks of cement. Wait on cement 12 hours, pressure test casing and BOP to 1000 psi before drilling out. Drill 8-3/4" hole to 7300' with brine water to 4100' and with a ploymer brine water from 4100' to 7300'. Mud weight will be 9.4 to 10.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected. If strong water flow or lost circulation is not encountered intermediate string will not be set, will then set DV tool @ 2500' in 4-1/2" long string and cement across the Green River Formation with 600 sacks cement.

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 D.E. Wood / GCS TITLE Division Production Manager DATE 10-1-80

(This space for Federal or State office use)

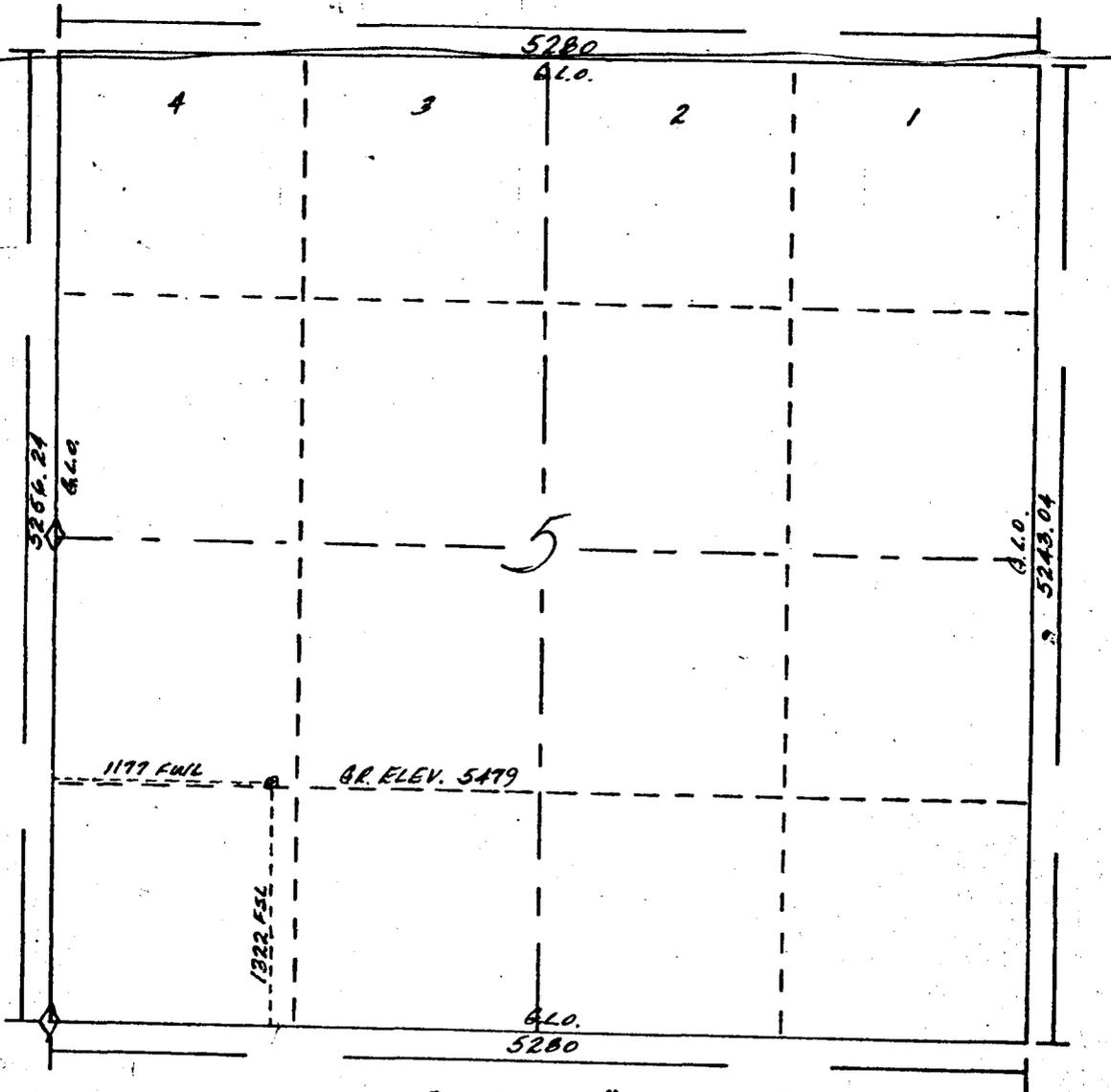
PERMIT NO. _____

APPROVED BY _____ TITLE _____ DATE: 10/15/80 BY: CS Wright

CONDITIONS OF APPROVAL, IF ANY: _____



R. 21 E.



T. 11 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from *Glenn Carvey*
 for *COTTON PETROLEUM*
 determined the location of # 1-5 LOVE UNIT
 to be 1322' FSL, 1177' FWL of Section 5 Township 11 S.
 Range 21 E. of the Salt Lake Base and Meridian
 Uintah County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 # 1-5 LOVE UNIT

Date: 8-22-80

Garry D. Beckler
 Licensed Land Surveyor No. 4189
 State of Utah

** FILE NOTATIONS **

DATE: Oct 10, 1980

OPERATOR: Cotton Petroleum Corp.

WELL NO: Love 15

Location: Sec. 5 T. 11S R. 21E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30801

CHECKED BY:

Petroleum Engineer: _____

Director: OK Uintah well - send approved copy of application for permit to drill

Administrative Aide: _____

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

Plotted on Map

Approval Letter Written

Hot Line

P.I.

October 21, 1980

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Re: Well No. Love Unit 1-5
Sec. 5, T. 11S, R. 21E
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to ~~gas~~ well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953, and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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 43-⁰⁴⁷~~047~~-30801.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ka
cc: USGS

DUPLICATE
UNITED STATES

SUBMIT IN **DUPLICATE**
(Other instructions on reverse side)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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24. SIGNED D.E. Wood / GAD TITLE Division Production Manager DATE 10-1-80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY WJ Masten FOR E. W. GUMM DISTRICT ENGINEER DATE MAR 04 1981
 CONDITIONS OF APPROVAL, IF ANY: _____

NOTICE OF APPROVAL

*See Instructions On Reverse Side

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

Utah O & G.

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Cotton Petroleum Corporation
Project Type Gas Well Drilling
Project Location 1322' FSL and 1177' FWL Section 5, T. 11S, R. 21E
Well No. 1-5 Lease No. U-14646
Date Project Submitted October 14, 1980

FIELD INSPECTION Date November 13, 1980

Field Inspection Participants Greg Darlington - USGS, Vernal
Ron Rogers - BLM, Vernal
Larry England - BLM, Vernal
Don Mecham - Cotton Petroleum Corporation

Related Environmental Documents: Unit Resource Analysis, Seep Ridge Planning Unit, BLM, Vernal.

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 1, 1980

Date Prepared

Greg Darlington

Environmental Scientist

I concur

12/4/80

Date

[Signature]

District Supervisor

PROPOSED ACTION:

Cotton Petroleum Corporation proposes to drill the Love Unit 1-5 well, a 7300 foot test of potential gas in the Mesaverde formation. At the onsite it was agreed to avoid about .5 miles of new road construction by upgrading (see BLM stipulation) .75 miles of existing pipeline right of way to serve as a road. About 800 feet of new road would also be required to the location.- The existing pipeline is the Mesa 12" pipeline and all access roads would be at least 16 feet driving surface and crowned with any needed drainage ditches included. An area of operations 290 feet by 350 feet would include the pad and reserve pit and allow sufficient room for any needed storage tanks and production equipment other than surface pipelines in the event that the well becomes a producer. About 2.6 acres will be disturbed by the proposed project in addition to the minor upgrading required along the pipeline right of way.

RECOMMENDED APPROVAL CONDITIONS:

Drilling should be allowed provided the following measures are incorporated into the proposed APD and adhered to by the operator:

1. Lease Stipulations
2. BLM Stipulations
3. Adequate logs are furnished as requested by the Mineral Evaluation Report and Mining Report for the identification of zones of other important minerals such as oil shale.

FIELD NOTES SHEET

Date of Field Inspection: November 13, 1980

Well No.: 1-5

Lease No.: V-14646

Approve Location: ✓

Approve Access Road: Changes

Modify Location or Access Road: Access road would follow Mesa Pipeline right of way South to existing oil service road to lessen needed new road construction and avoid additional intersections on Deep Ridge Road (the main highway).

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography)

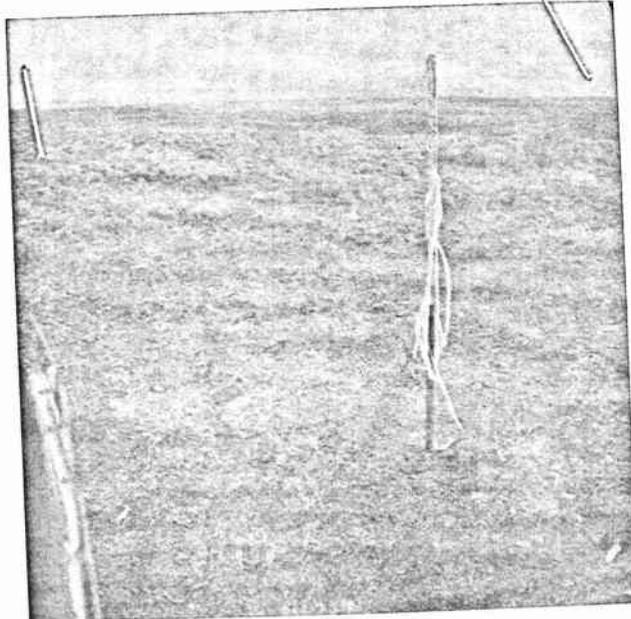
Good location. Pipeline right of way looks good for an access road to the South, not so good to the North. Not much widening will be needed. BLM favors (Per Rogers favors) the changes in access road.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 6	11-13-1980	
2. Unique charac- teristics							1, 2, 6	11-13-1980	
3. Environmentally controversial							1, 2, 6	11-13-1980	
4. Uncertain and unknown risks							1, 2, 6		
5. Establishes precedents							1, 2, 6		
6. Cumulatively significant							1, 2, 6		
7. National Register historic places							1, 6		
8. Endangered/ threatened species							1, 6		
9. Violate Federal, State, local, tribal law							1, 2, 6		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of Approval.*



*Cotton 1-5 North View
Section 5, T11S, R21E*

11-13

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-14646

OPERATOR: COTTON PETROLEUM

WELL NO. 1-5

LOCATION: ½ C ½ SW ¼ sec. 5, T. 11 S, R. 21 E,
UINTAH County, UTAH

- STRATIGRAPHY PROPOSED IS REASONABLE, BUT GREEN RIVER OMITTED.
1. Stratigraphy:

TERTIARY/UINTA	- SURFACE
GREEN RIVER	- 2400'
WASATCH	- 4100'
MESA VERDE	- 7100'
T. D.	- 7300'
 2. Fresh Water: USEABLE WATER IN SANDS OF UINTAH FORMATION, AND POSSIBLY IN BIRD'S NEST AQUIFER OF GREEN RIVER FORMATION AT DEPTH OF ~ 2800'
 3. Leasable Minerals: OIL SHALE BEDS MAY BE ENCOUNTERED IN MAHOGANY ZONE OF GREEN RIVER FORMATION AT DEPTHS OF ~ 3200'
 4. Additional Logs Needed: NONE.
 5. Potential Geologic Hazards: POSSIBLE LOST CIRCULATION IN LEACHED ZONES ABOVE AND BELOW MAHOGANY OIL SHALE
 6. References and Remarks: -

Signature: Larry Richardson

Date: 11 - 4 - 80

Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

April 9, 1982

Cotton Petroleum Corporation
717 17th Street - Suite 2200
Denver, Colorado 80202

Re: Rescind Application for Permit
to Drill
Well No. 1-5
Section 5-T11S-R21E
Uintah County, Utah
Lease No. U-14646

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 4, 1981. Since that date no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gynn
District Oil & Gas Supervisor

bcc: SMA
State O&G
State BIM
MMS-Vernal
Well File
APD Control

DH/dh