

- | | | |
|---|----------------|-------------------------------------|
| Scout Report sent out | [REDACTED] | <input checked="" type="checkbox"/> |
| Noted in the NID File | [REDACTED] | <input checked="" type="checkbox"/> |
| Location map pinned | [REDACTED] | <input checked="" type="checkbox"/> |
| Approval or Disapproval Letter | [REDACTED] | <input checked="" type="checkbox"/> |
| Date Completed, <u>P. & A.</u> , or
operations suspended | <u>7-27-59</u> | |
| Pin changed on location map | [REDACTED] | <input type="checkbox"/> |
| Affidavit and Record of A & P | [REDACTED] | <input type="checkbox"/> |
| Water Shut-Off Test | [REDACTED] | <input type="checkbox"/> |
| Gas-Oil Ratio Test | [REDACTED] | <input type="checkbox"/> |
| Well Log Filed | [REDACTED] | <input checked="" type="checkbox"/> |

FILE NOTATIONS

Entered in NID File
Entered On S R Sheet
Location Map Pinned
Card Indexed
IWM for State or Fee Land

Checked by Chief
Copy NID to Field Office
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 7-28-59

Location Inspected 224/00

OW..... WW..... TA.....

Bond released

GW..... OS..... PA

State of Fee Land _____

LOGS FILED

Driller's Log 8-26-59

Electric Logs (No.) 2

E..... I..... E-I GR..... GR-N..... Micro.....

Lat..... Mi-L..... Sonic Others.....

Subsequent Report of Abandonment

FILE NO. / DATE

Entered in NID File

100' S R Sheet

Log for Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

Location Inspected

2/26/60

OW..... WW..... TA.....

Bond released

EW..... OS..... PA.....

State of Fee Land

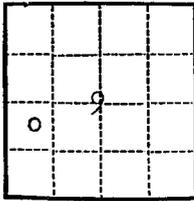
LOGS FILED

Driller's Log.....

Electric Logs (No.).....

E..... I..... E-I..... GR..... GR-N..... Micro.....

Lat..... MI-L..... Sonic..... Others.....



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. 077404 B

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	
NOTICE OF INTENTION TO CHANGE PLANS _____		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____		SUBSEQUENT REPORT OF ALTERING CASING _____	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL _____		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____		SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____		SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 20, 1959, 19__

Hickman-Bluff

Well No. 3 is located 1820 ft. from N line and 785 ft. from W line of sec. 9

NWSW Section 9 40S 23E SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. 4560' ungraded

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rotary drilling equipment will be used to drill to approximately 5650' to the Paradox Salt. Approximately 40' of 13-3/8" OD conductor pipe will be cemented to the surface; approximately 1300' of 8-5/8" OD surface casing to be set and cemented to the surface; required amount of 4 1/2" OD or 5 1/2" OD smls casing as available set for production string and cemented with required amount of cement. Drill stem tests: All oil and gas shows will be tested. Mud program: conventional gel mud, may convert to oil emulsion to drill pay. Electric logs etc will be run before setting casing or abandonment. Stimulation treatments such as acidizing or hydraulic fracturing may be employed in completion.

Location off center due to terrain features.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company
Production Department

Address Box 3082
Durango, Colorado

By H J Flatt
H J Flatt
Title District Engineer

CAR-PRO-373-B
LEASE PLAT & PIPE LINE DATA

DIV. NO. _____ BLOCK NAME _____ LEASE NO. _____

LESSOR _____

TOTAL ACCUMULATED INTEREST _____

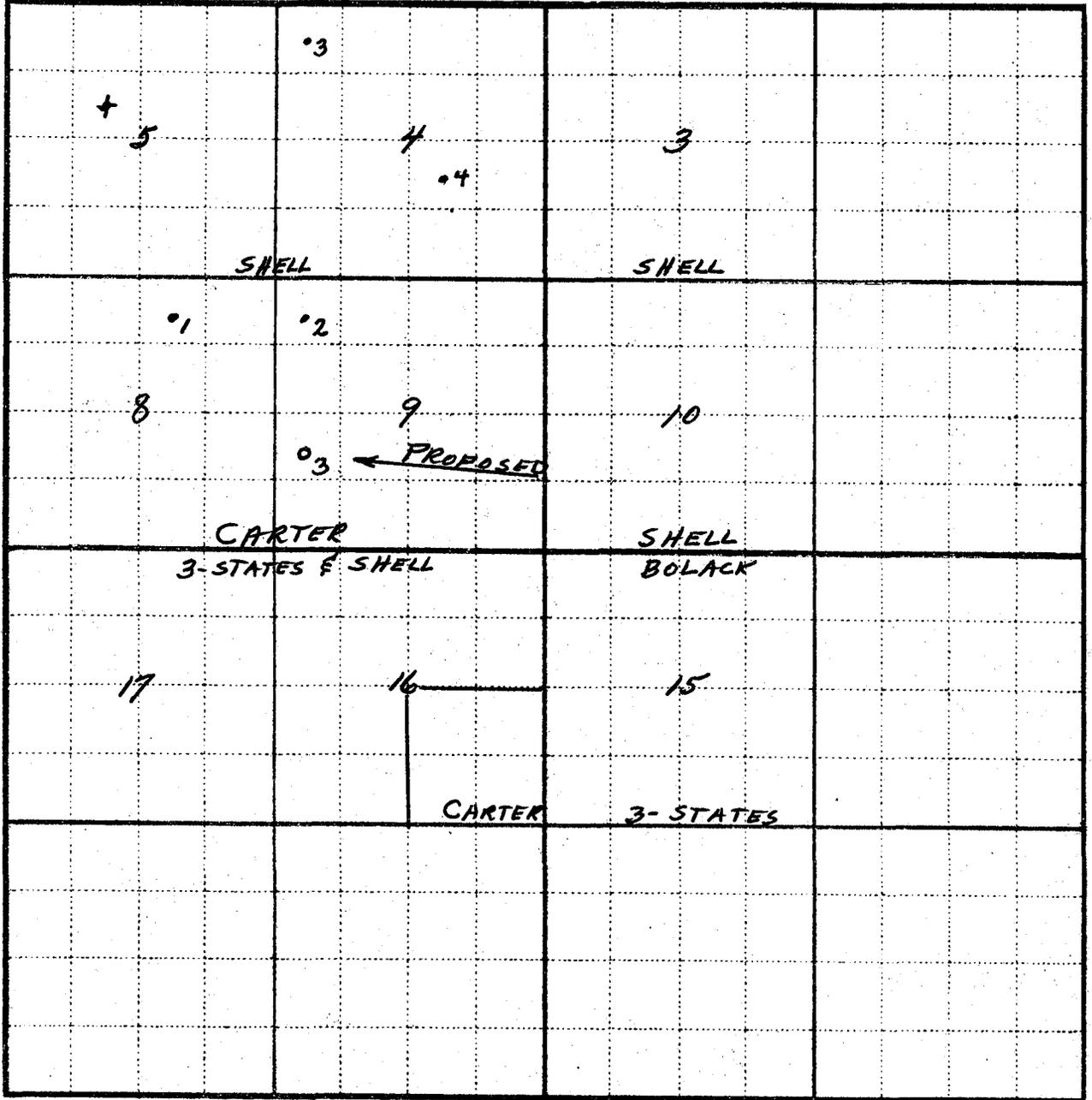
STATE Utah COUNTY San Juan SEC. 9 T. 40S R. 23E ACRES _____

DESCRIPTION AND INTEREST: _____

The Carter Oil Company - Proposed Location

Hickman-Bluff #3

IF USED FOR PIPE LINE DIAGRAM — PLEASE SUPPLY THE FOLLOWING INFORMATION
 Total Length and Size of Pipe Laid _____ Pipe Transferred From _____
 Total Length and Size of Pipe Taken Up _____ Pipe Transferred to _____
 Depth Buried _____ Painted _____ Screw, Welded or Coupled _____ List Fittings (on back of this sheet if necessary)
 Date _____ District _____ Farm or Plant _____
 Signed _____
 (Mail to Engineering Department - Tulsa)



When used as 1/4" Section Scale, 1" = 400'
 When used as Section Scale, 1" = 800'
 When used as 4 Sections Scale, 1" = 1600'
 Place check mark after scale used.

Plat made by _____ Date _____
 1/2" Base Map _____ Date _____
 Plat Book (Pend.) _____ Date _____ (Comp.) _____ Date _____
 Block Map (Pend.) _____ Date _____ (Comp.) _____ Date _____
 Block Map Tr. (Pend.) _____ Date _____ (Comp.) _____ Date _____

COMPANY THE CARTER OIL COMPANY

Well Name & No. HICKMAN - BLUFF, WELL # 3

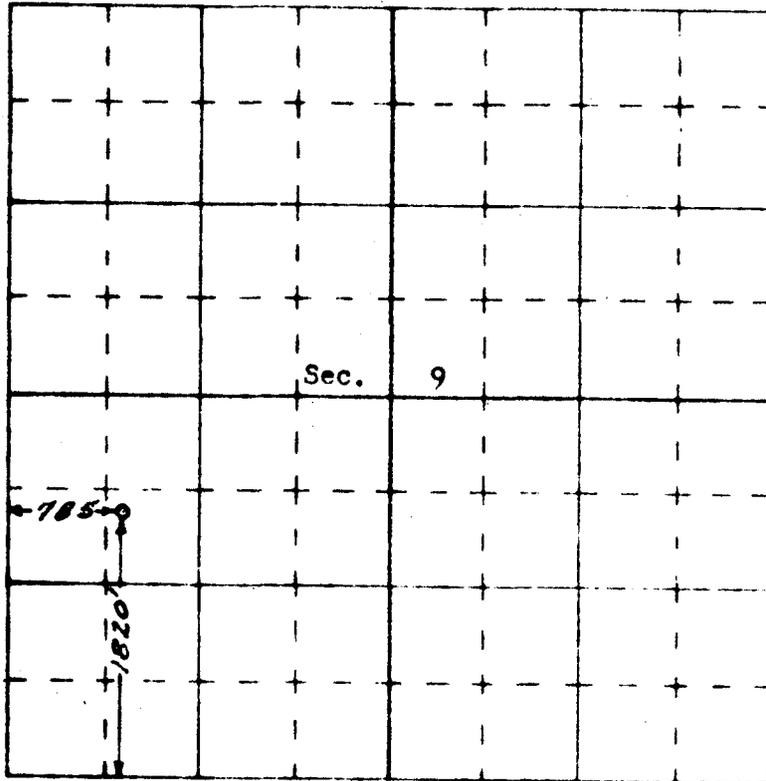
Lease No.

Location 1820' FROM THE SOUTH LINE & 785' FROM THE WEST LINE

Being in NE NW SW

Sec. 9, T 40 S, R 23 E, S.L.M., San Juan County, Utah

Ground Elevation 4560' ungraded ground



Scale — 4 inches equals 1 mile

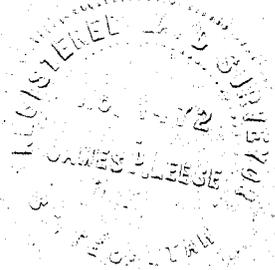
Surveyed 19 May

19 59

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

James P. Leese

Registered Land Surveyor.
James P. Leese
Utah Reg. No. 1472



SAN JUAN ENGINEERING CO., FARMINGTON, NEW MEXICO

May 22, 1959

The Carter Oil Company
Production Department
P. O. Box 3082
Durango, Colorado

Attention: H. J. Flatt,
District Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Mickman-Bluff 3, which is to be located 1820 feet from the south line and 785 feet from the west line of Section 9, Township 40 South, Range 23 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

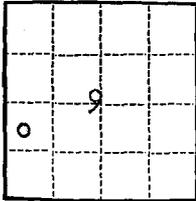
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FERRELL
EXECUTIVE SECRETARY

CBF:co

cc: P. T. McGrath, Dist. Eng.
U.S.G.S. Farmington,
New Mexico



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. 071404B

Unit _____

711K
8-11

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 29, 1959, 19__

Hickman-Bluff

Well No. 3 is located 1820 ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 785 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of sec. 9

NWSW Section 9 40S 23E SIM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4597 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5815' - It is intended to plug and abandon well as follows:
Place cement plugs - 30 sack cement plug 5700-5600'; 30 sack cement plug 4600-4500'; 30 sack cement plug 2650-2550'; 32 sack cement plug 1350-1250'; 15 sack cement plug 30' to surface. Intervals between plugs filled with drilling mud. To erect a 4" dry hole marker extending 4' above ground level, To fill pits and clean location.

Verbal approval for above from Bill Shoger 7-27-59.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

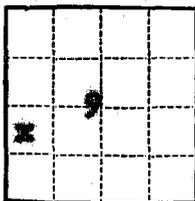
Company The Carter Oil Company
Production Department

Address Box 3082
Durango, Colorado

By *B M Bradley*
B M Bradley
Title District Superintendent

(SUBMIT IN TRIPLICATE)

Land Office SL
Lease No. 0714019
Unit Richman Bluff



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

714
8-17

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Casing Record</u> X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 11, 1950

Richman-Bluff
Well No. 3 is located 1820 ft. from SW line and 785 ft. from W line of sec. 9
NW SW Section 9 40S 23E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4977 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Set 13-3/8" casing @ 67', cemented w/100 sz. cement.

Set 8-5/8" casing @ 1301', cemented w/1100 sz. cement.

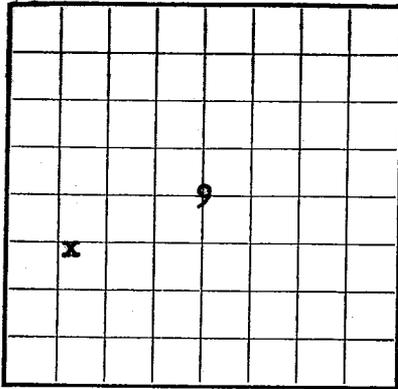
C. J. [Signature]

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company
Address Box 3082
Durango, Colorado
By **COPY** (ORIGINAL SIGNED) B. M. BRADLEY
Title Dist. Supt.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company The Carter Oil Company Address Box 3082, Durango, Colorado
Lease or Tract: Hickman Bluff Field Bluff State Utah
Well No. 3 Sec. 9 T. 40S R. 23E Meridian S1M County San Juan
Location 1820 ft. N. of S. Line and 785 ft. E. of W. Line of Section 9 Elevation 4597'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B M Bradley

Date August 24, 1959 Title Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling June 27, 1959 Finished drilling July 26, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 700'; 2nd flow fresh water to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8"	48	8rd	H-40	55'	-	-	None		
8-5/8"	24	8rd	J-55	1297'	Baker	-			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	67'	100	Halliburton	-	-
8-5/8"	1301'	1100	Halliburton	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

FOLD MARK

Size	Shank used	Explosive used	Quantity	Depth	Depth

TOOLS USED

Rotary tools were used from Surface feet to 5815' feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 24, 1959 ~~Production~~ D&A 7-28, 1959

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
1535'	2610'	1075'	Chinle through Hoskinini
2610	2686	76	DeChelly
2686	3514	828	Organ Rock
3514	4567	1053	Cedar Mesa, Halgaito, Rico.
4567	4977	410	Virgil
4977	5236	259	Missouri
5236	5815 TD	579	Des Moines
<u>ELECTRICAL LOG TOPS:</u>			
			Chinle 1535
			DeChelly 2610
			Organ Rock 2686
			Virgil 4567
			Missouri 4977
			Des Moines 5236
			Paradox 5653
			TD 5815

AUG 26 1959

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

71

--	--	--	--

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Drilled to 5815', dry and abandoned. Pulled well with 30 sx. cement from 5700-5600'; 30 sx. from 4600-4500'; 30 sx. from 2650-2550'; 32 sx. from 1350-1250'; and 15 sx. from 30' to surface.

(SUBMIT IN TRIPLICATE)

Land Office SL

Lease No. 071404B

Unit _____

	9	
X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

[Handwritten signature]

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	XX
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 22, 1960

Hickman Bluff

Well No. 3 is located 1820 ft. from DN S line and 785 ft. from EW W line of sec. 9

NW SW Section 9 40S 23E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4597 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5815'.

Well has been plugged and abandoned in the following manner:

- Cement plugs: 5700-5600 - 30 sacks
4600-4500 - 30 sacks
2650-2550 - 30 sacks
1350-1250 - 32 sacks
30-Surface - 15 sacks

Intervals between plugs filled with heavy mud. A 4" dry hole marker extending 4' above ground level installed, pits filled and location cleaned. Ready for inspection.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Humble Oil & Refining Company - Carter Division

Address P. O. Box 3082

Durango, Colorado

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By _____

Title B. M. Bradley
Dist. Supt.

RECEIVED

OCT 02 1989

DIVISION OF
OIL, GAS & MINING

Moab District
P. O. Box 970
Moab, Utah 84532

3162 (U-065)
(SL-071404B)

SEP 29 1989

Merrian Oil and Gas Corporation
P. O. Box 840
Farmington, New Mexico 87499

Re: Returning Application for Permit
to Drill
Well No. Hickman Bluff #3
Sec. 9, T. 40 S., R. 23 E.
San Juan County, Utah
Lease SL-071404B

43-037-105 27

Gentlemen:

The Application for Permit to Drill the referenced well was received on March 31, 1989. Since that date, no known activity has transpired.

In view of the foregoing, this office is returning the referenced application. Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely yours,

/s/ Kenneth V. Rhea

ACTING District Manager

Enclosure: Application for Permit to Drill

cc: San Juan Resource Area (w/o encl.)
State of Utah, Division of Oil, Gas & Mining (w/o encl.) ✓

bcc: USO, U-942 (w/o encl.)

KJones:kj:9/26/89

(2)

File in PxA files
PA'd in 1960
Nothing added to file
since then
DTS

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

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Merrion Oil & Gas Corp.

3. ADDRESS OF OPERATOR
P. O. Box 840, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 665' FNL and 1930' FWL
At proposed prod. zone:

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8.5 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 665'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1,270'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4,543 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48 lb/ft	40 ft.	50 sx
12-1/4"	8-5/8"	24 lb/ft	1,400 ft.	365 sx
7-7/8"	4-1/2"	10.5 lb/ft	5,589 ft.	300 sx

Propose to drill 17-1/4" hole to 40' and set 40' of 13-3/8" 48 lb/ft J55 casing with 50 sx (59 cu. ft.) Class B 2% CaCl₂. TOC @ surface. Drill 12-1/4" hole to 1,400' K.B. Run 1,400' of 8-5/8" 24 lb/ft J55 casing and set with 175 sx (357 cu. ft.) Class B 2% D-79 followed by 190 sx (232 cu ft) class H 2% gel. Estimated TOC @ surface. Wait on cement 10 hrs. Will pressure test to 600 PSI for 30 min. prior to drill out. Drill 7-7/8" hole to 5,589' K.B. Run drill stem test of Desert Creek interval if desired. Run open hole logs. If well appears productive run 4-1/2" 10.5 lb/ft J55 csg. to 5,589' and cement with 300 sx (366 cu ft) of Class H 2% gel to cover from T.D. to above Hermosa top @ 4,289' K.B. TOC estimated at 4,000 ft. Will perforate and stimulate as deemed necessary. Additional drilling program details included in attachments.

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 Steven S. Dunn TITLE Operations Manager DATE 3/27/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

CONDITIONS OF APPROVAL ATTACHED
*See Instructions On Reverse Side
This ADD was not sent to us by the operator. We requested it from the OLM after we received their second letter. No DOGM action taken. For file only.
DTS
10-24-89

RECEIVED
OCT 23 1989

DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
SL-071404-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hickman Bluff

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T40S, R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

MERRION OIL & GAS CORPORATION

DRILLING TECHNICAL PROGRAM

ATTACHMENT TO FORM 3160-3

Hickman Bluff No. 3
665' FNL and 1930' FWL
Sec. 9, T40S, R23E
San Juan County, Utah

1. ESTIMATED FORMATION TOPS

FORMATION	DEPTH
Top Morrison	Surface
Top Entrada	500 ft.
Top Navajo	900 ft.
Top Kayenta	900 ft.
Top Wingate	1,150 ft.
Top Chinle	1,353 ft.
Top Moenkopi	2,127 ft.
Top DeChelly	2,431 ft.
Top Cutler	2,491 ft.
Top Hermosa	4,289 ft.
Top Ismay	5,180 ft.
Top Dakota "D" Desert Creek	5,365 ft.
Top Akah	5,508 ft.
Top Salt	5,543 ft.
Total Depth	5,589 ft.

2. WELL CONTROL SYSTEM

- A. Proposed blowout preventer system (schematic drawings attached) is double ram BOPs with choke manifold.
- B. Minimum required working pressure rating for BOP stack is 2000 psi.
- C. BOP pressure testing will be conducted at time of installation and prior to drillout of surface casing shoe. The pipe and blindrams will be activated at minimum on each trip for a bit and recorded in driller's log.

3. DRILLING MUD PROGRAM

- A. Surface hole will be drilled with fresh water - gel system, lime added to provide viscosity as needed.
- B. 7-7/8" hole will be drilled with low solids, non-dispersed mud using fresh water, gel, and other products to control PH, viscosity, weight, and water loss characteristics as necessary. Cottonseed hulls and cedar fiber will be stocked on location for use in restoring lost circulation.

C. Mud trip monitoring will be done visually.

4. HAZARDS

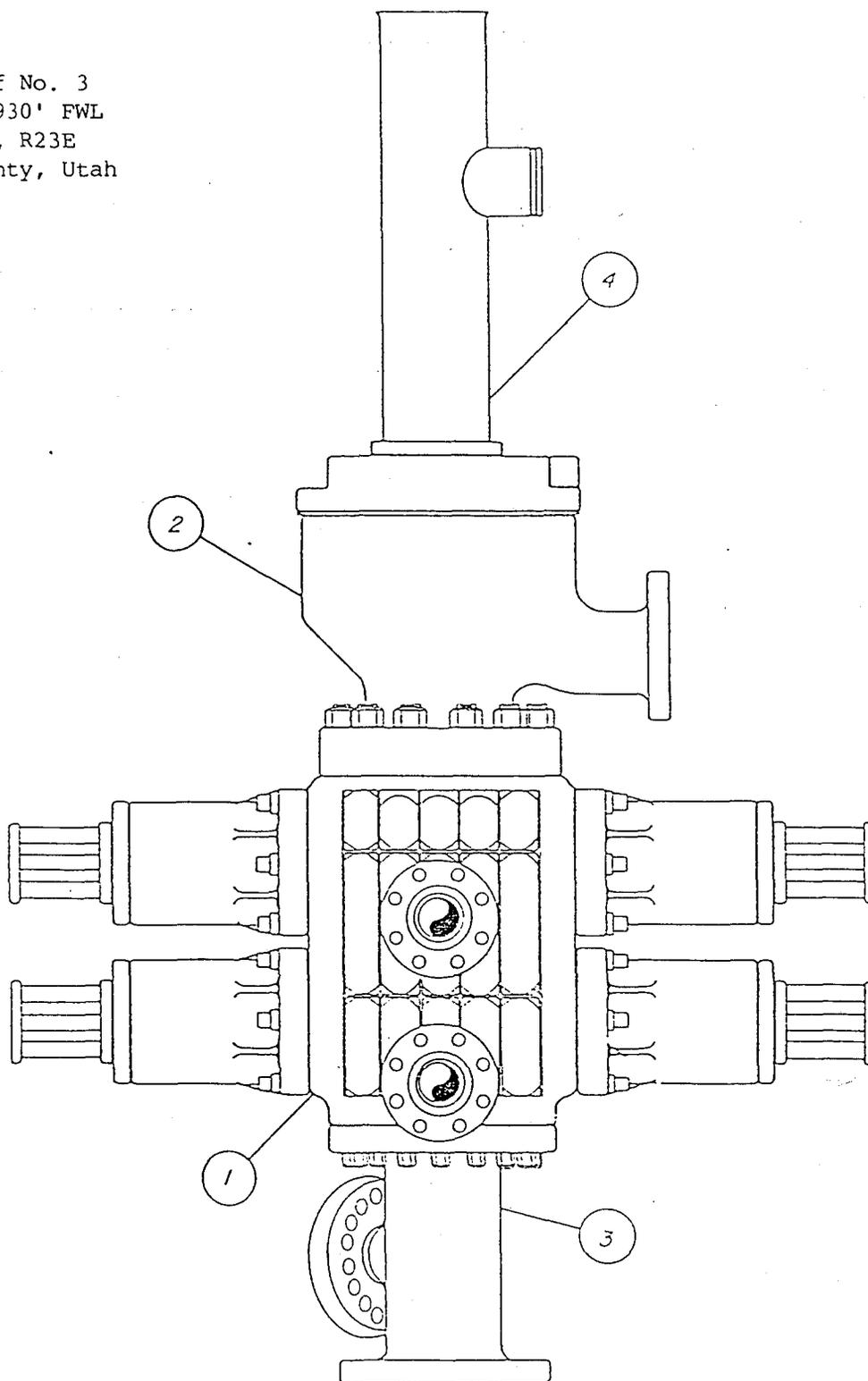
- A. No abnormal pressure is anticipated. However, BOPs will be used under conductor casing to total depth.
- B. A water flow may be encountered from the Navajo sand @ 720 ft. based on previous drilling in the area.
- C. No H₂S is expected to be encountered. However, should H₂S be found during drilling, detection and warning equipment will be installed.
- D. Hole deviation is not expected to be a problem. Single shot surveys giving hole inclination will be run a minimum of every 500 feet.

5. LOGGING AND TESTING

- A. An IES Induction Log will be run from TD to surface. A Compensated Density Log will be run a minimum of 2000' to cover zones of interest.
- B. One drill stem test is possible to test the Desert Creek formation.

BLOWOUT PREVENTER SCHEMATIC

Hickman Bluff No. 3
665' FNL & 1930' FWL
Sec. 9, T40S, R23E
San Juan County, Utah



- ① DOUBLE RAM 3000 LB. MANUAL LOCK BLOWOUT PREVENTER
- ② ROTATING HEAD
- ③ SPOCL
- ④ DRILLING FLOW NIPPLE

MERRION OIL & GAS CORPORATION
SURFACE USE AND OPERATIONS PLAN

Pursuant to NTL-6

Hickman Bluff No. 3
665' FNL & 1930' FWL
Sec. 9, T40S, R23E
San Juan County, Utah

1. Existing Roads

- A. The proposed well site and elevation plats are attached.
- B. Directions: From Montezuma Creek east on Bluff Highway 5.5 miles. Turn right on dirt road. 2.5 miles to Y. Turn left, cross wash 0.5 mile to location.
- C. All roads to location are indicated on attached map.
- D. Improvement and maintenance: Maintenance will be performed as required to keep existing roads in same or better condition.

2. Planned Access Roads

No new access road will be required. (Shown on topographic map enclosed.)

3. Location of Existing Wells

For all existing wells within one mile radius of location, see attached topographic map.

- A. There are no water wells within a one mile radius of this location.
- B. There are three abandoned wells in this one mile radius.
- C. There are no temporarily abandoned wells.
- D. There are no disposal wells.
- E. There are no wells presently being drilled.
- F. There are seven producing wells within this one mile radius.
- G. There are two shut-in wells.
- H. There are no injection wells.
- I. There are no monitoring or observation wells for other uses.

4. Location of Existing and/or Proposed Facilities

A. Within a one mile radius of location, the following existing facilities are owned or controlled by lessee/operator:

(1). Tank Batteries: Hickman Bluff
Central Battery
NE/4 NW/4 Sec. 8, T40S, R23E

(2). Production Facilities: As above

(3). Oil Gathering Lines: As above

(4). Gas Gathering Lines: None

(5). Injection Lines: None

(6). Disposal Lines: None

B. If production is obtained, new facilities will be as follows:

(1). All production facilities will be located at the Hickman Bluff Central Battery.

(2). A production flowline will be installed from the well to the existing flowline at the Hickman Bluff No. 2 in the NW/4 of Section 9, T40S, R23E.

(3). Drill pad size will be approximately 250 ft. long and 150 ft. wide.

(4). No construction materials for battery site and pad will be necessary.

(5). Any necessary pits will be fenced on three sides during drilling and the fourth side upon completion.

(6). Rehabilitation whether well is productive or dry, will be made on all unused areas in accordance with BLM or appropriate agency recommendations.

5. Location and Type of Water Source

A. The source of water will be BLM water tank in Sec. 27, T40S, R23E, San Juan County, Utah.

B. Water will be transported by truck over existing roadways.

- C. No water well is to be drilled on this lease.

6. Construction Materials

- A. No construction materials are needed for drilling and access roads into the drilling location. The existing surface materials will be sufficient and will be provided by the Dirt Contractor as needed.
- B. No construction materials will be taken off Federal or Indian Lands.
- C. No surface materials for construction of access roads are required.
- D. All major access roads presently exist as shown on topographic map.

7. Handling of Water Materials and Disposal

- A. Drill cuttings will be placed in the reserve pit and covered, when appropriate.
- B. Drilling fluids will be disposed of in the reserve pit.
- C. Any fluids recovered during drilling tests or while making production tests will be collected in a test tank if possible. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any excessive spills of oil, gas, salt waters or other noxious fluids will be cleaned up and removed.
- D. Latrine facilities will be provided for human waste.
- E. Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash pit. Flammable waste will be disposed of in burn pit if necessary. Drill fluids, water, drilling mud and tailings will be kept in reserve pit. Reserve pit will be fenced on three sides and the fourth side fenced upon removal of rig.
- F. After the rig moves out, location will be cleaned up and no dangerous materials will be left on location. Reserve pit will be fenced on three sides during drilling and after drilling completely fenced until such time as the pit is buried.

8. Ancillary Facilities

- A. No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- A. Drill pad layout attached is a diagram of the proposed rig and equipment reserve pit, burn and trash pit, pipe racks and mud tanks. No permanent living facilities are planned. There will be a small trailer on site.
- B. The reserve pits will not be lined. Steel mud tanks may be used during drilling operations.

10. Plans for Restoration

- A. Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils material will be fenced, buried, or hauled away as soon as practical after drilling and completion work is finished. If production is obtained, the unused area will be restored as soon as possible.
- B. Any banked soil material, if removal required, will be spread over the area. Revegetation will be accomplished by planting seed mix as per surface managing agencies requirements.
- C. Three sides of the reserve pit will be fenced during drilling operations. As soon as practical after drilling the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from becoming entrapped; and the fencing will be maintained until burying and cleanup is accomplished.
- D. The rehabilitation operations will begin as soon as practical after the drilling rig is removed. Cleanup will be done as needed. Planting and revegetation is normally required to be done from July 15 to September 15, unless requested otherwise.

11. Other Information

- A. Soil - Sandy/Loam.
Vegetation - Sagebrush and Grasses.
- B. The primary surface use is for grazing. The surface is owned by the Bureau of Land Management.

- C. The closest live water is: 3.5 miles
The closest occupied dwellings: 5 miles
There are no known archaeological, historical, or cultural artifacts that will be disturbed by this drilling.
- D. Restrictions: None. Operator has all rights.
- E. Drilling is planned for on or about May, 1989. Drilling operations should be completed within 20 days.

12. Lessee's or Operator's Representative

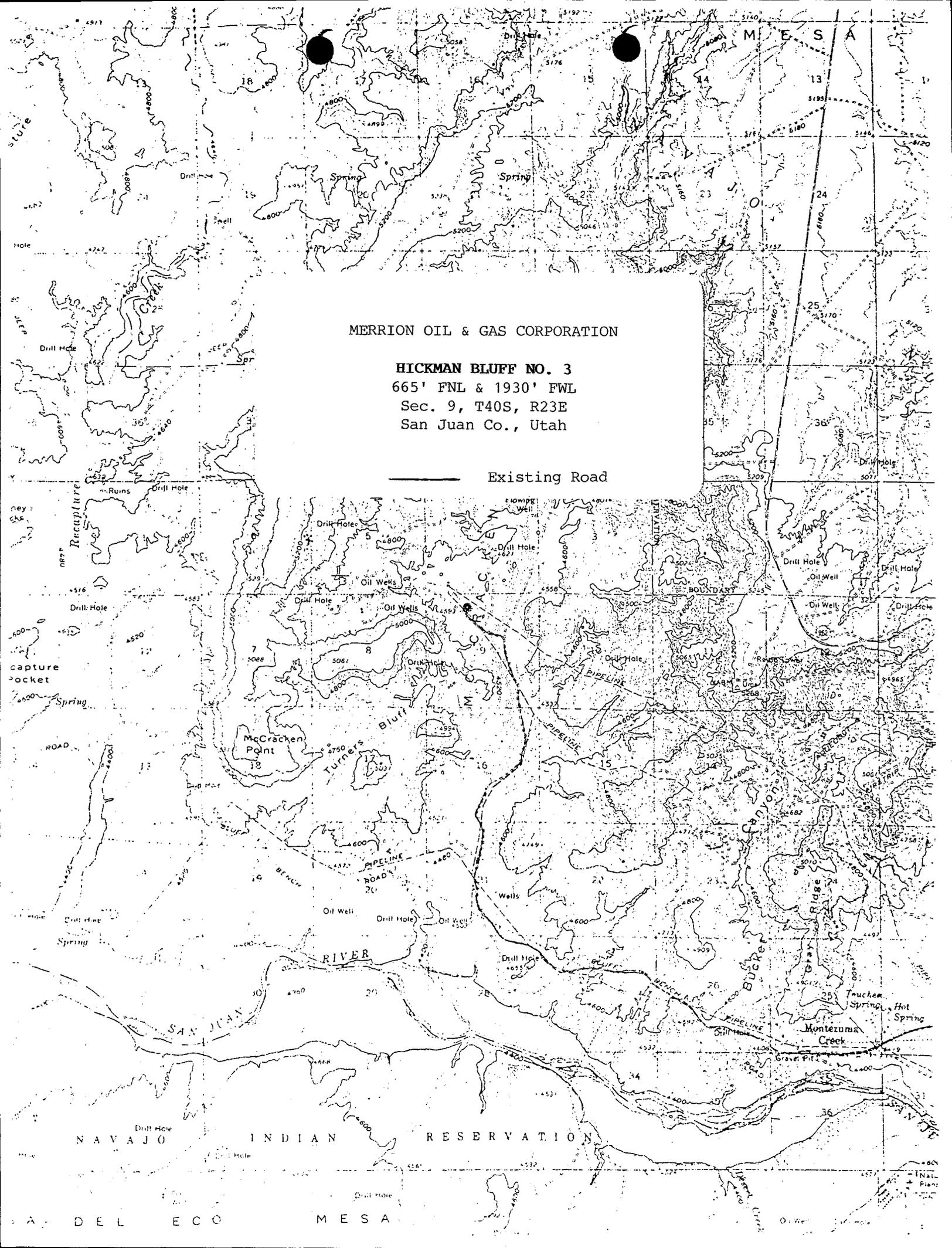
Steven S. Dunn, Operations Manager
Merrion Oil & Gas Corporation
P. O. Box 840
Farmington, New Mexico 87499
Telephone: (505) 327-9801

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Merrion Oil & Gas Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3-27-1989
Date


Steven S. Dunn, Operations Manager
Merrion Oil & Gas Corporation



MERRION OIL & GAS CORPORATION

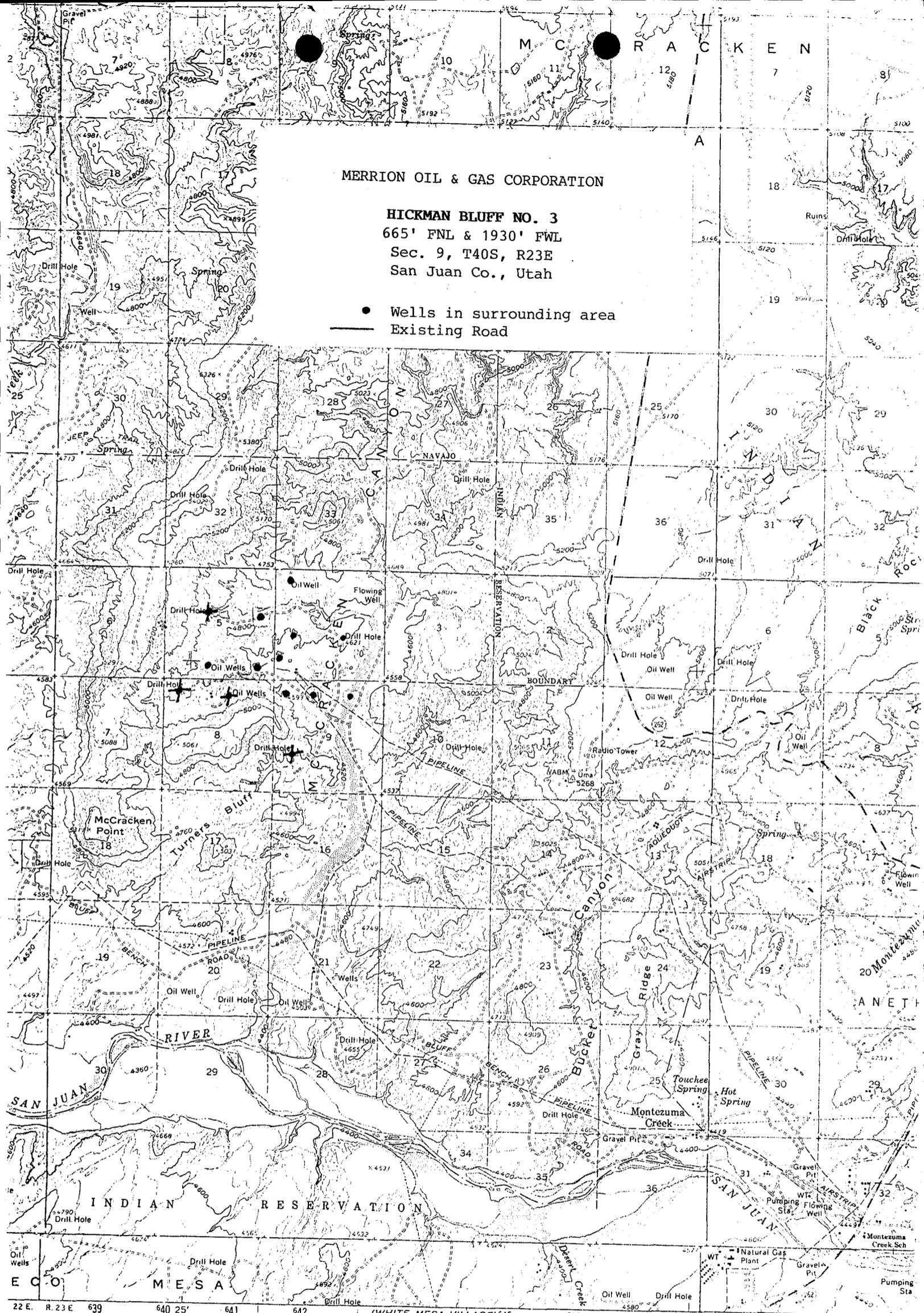
HICKMAN BLUFF NO. 3
665' FNL & 1930' FWL
Sec. 9, T40S, R23E
San Juan Co., Utah

Existing Road

NAVAJO INDIAN RESERVATION

DEL ECO MESA

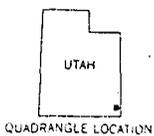
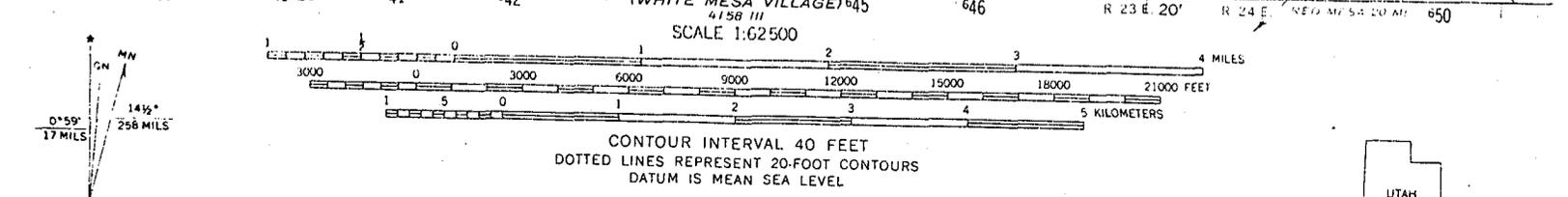
Incl. Plan



MERRION OIL & GAS CORPORATION

HICKMAN BLUFF NO. 3
 665' FNL & 1930' FWL
 Sec. 9, T40S, R23E
 San Juan Co., Utah

- Wells in surrounding area
- Existing Road



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MERRION OIL & GAS CORPORATION

LOCATION LAYOUT

DRILLING WELL

Location Size: 250' x 150'

