

FILE NOTATIONS

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

Checked by Chief Roll
Copy NID to Field Office ✓
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 2-3-62
OW _____ WW _____ TA _____
GW _____ OS _____ PA ✓

Location Inspected ✓
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log 7-12-62
Electric Logs (No.) 1

E _____ I _____ E-I 2 GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Sonic _____ Others _____

Subsequent Report of Abandonment

1-14-92
VLC

Form 9-331a
(Feb. 1951)

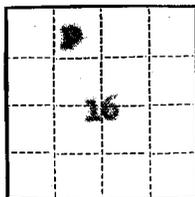
Copy to HC

(SUBMIT IN TRIPLICATE)

Land Office Indian Lands

Lease No. Navajo contract
14-20-603-2032

Unit Cahone Mesa area



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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)

Cahone Mesa Well No. 1 April 17 19 62

Well No. 1 is located 660 ft. from N line and 1900 ft. from W line of sec. 16

C NE NW sec. 16 60S 37E S. L. M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Ext. Cahone Mesa area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ungraded ground above sea level is 4975 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)

We would like permission to drill the subject well to an approximate depth of 6025 feet as a test of the Desert Creek "C" zone of the Permian member of the Hermosa formation. Anticipated top of the Hermosa is at 4747 feet and top of the "C" zone is anticipated at 5674'. We will run and cement approximately 300 feet of 13-3/8" 48# P-40 8rd and the SMC casing to surface. If commercial oil and/or gas production is encountered, a production string of 5-1/2" OD 17# 8rd and the LMC casing will be run through the producing interval encountered and cemented with sufficient cement to protect and isolate such producing interval. Enclosed are three copies of "Designation of Operator" from Economy Mobil Oil Company, Inc. to Mountain Fuel Supply Company, and four copies of well location plat.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129
Rock Springs, Wyoming

By [Signature]

Title Vice President

DESIGNATION OF OPERATOR

Indian Affairs

The undersigned is, on the records of the Bureau of ~~INDIAN AFFAIRS~~, holder of lease

~~XXXXXXXXXXXXXXX~~: Navajo Tribal Council, Window Rock, Arizona
~~XXXXXXXXXX~~ Navajo Contract No. 14-20-603-2052

and hereby designates

NAME: Mountain Fuel Supply Company
ADDRESS: 180 East First South Street, Salt Lake City, Utah

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 40 South, Range 25 East, San Juan County, Utah

Section 3: S $\frac{1}{2}$
Section 4: S $\frac{1}{2}$
Section 9: NE & SW
Section 16: NW & SE

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.

SOCONY MOBIL OIL COMPANY, INC.
(Successor by merger to General
Petroleum Corporation)

By: *[Signature]*
(Signature of lessee)
Attorney in Fact

MAR 1 1962
(Date)

612 South Flower Street, Los Angeles 54,
(Address) California

COMPANY MOUNTAIN FUEL SUPPLY COMPANY

Well Name & No CAHONE MESA #1

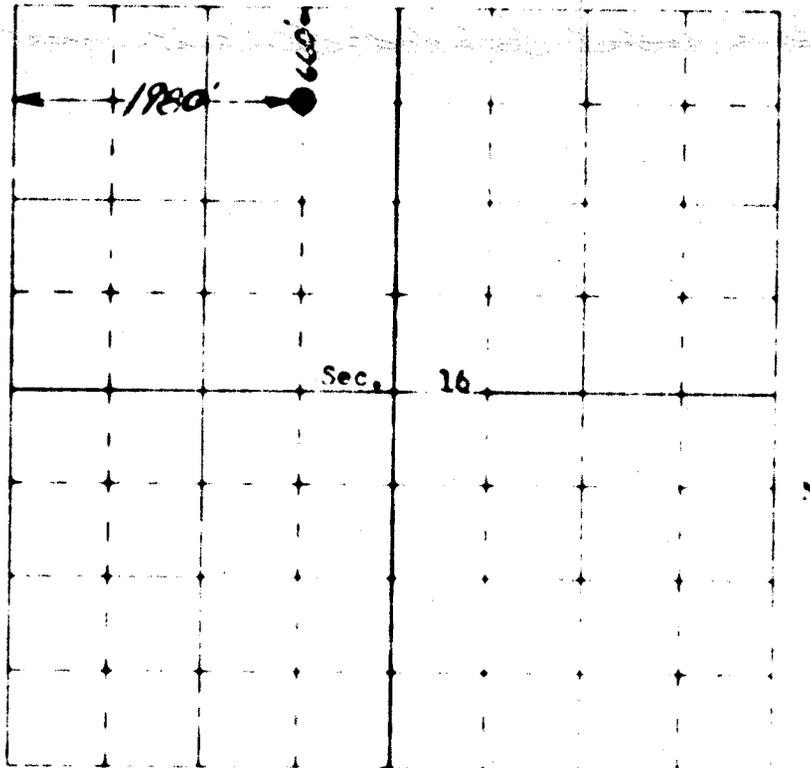
Lease No

Location 660' FROM THE NORTH LINE & 1280' FROM THE WEST LINE

Being in Center NE 1/4

Sec 16 T 40 S, R 25 E, S.1.M., San Juan County, Utah

Ground Elevation 4975' ungraded



Scale 4 inches equals 1 mile

Surveyed 13 April 1962

19

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

STATE OF UTAH DEPARTMENT OF LAND AND MINES

Rock Springs, Wyoming

April 20, 1962

Mountain Fuel Supply Co.
Box 1129
Rock Springs, Wyoming

Attn: J. T. Simon, Vice President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Cahone Mesa #1, which is to be located 660 feet from the north line and 1980 feet from the west line of Section 16, Township 40 South, Range 25 East, SLBM, 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 has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE DIRECTOR

CBF:kb

cc: P. T. McGrath, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER Indian Land
UNIT Navajo Contract
14-20-603-2052

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cahone Mesa

The following is a correct report of operations and production (including drilling and producing wells) for the month of APR 1962, 19

Agent's address P. O. Box 989 Company MOUNTAIN FUEL SUPPLY COMPANY
SALT LAKE CITY, UTAH Signed F. L. Neely

Phone _____ Agent's title DIVISIONAL CHIEF ACCOUNTANT

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS Produced	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>C 16 NW 16</u>	<u>40</u>	<u>25</u>	<u>1</u>							<u>Location</u>

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

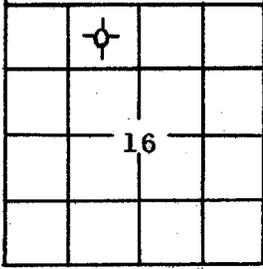
_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Field Cahone Mesa State Utah County San Juan Sec. 16 T. 40S R. 25E

Company Mountain Fuel Supply Farm Cahone Mesa Well No. 1

Location 660' S/N 1980' E/W Elev. 4987 KB. 4975 GR.



Drilling Commenced May 7, 1962 Completed June 1, 1962

Rig Released June 3, 1962 Total Depth 5990'

Casing Record 13-3/8" at 323.28' KBM with 400 sacks

Tubing Record _____

Perforations _____

I. P. D&A Gas _____ Oil _____

Sands _____

Shut-in Surface Pressures _____

Remarks _____

FORMATION RECORD

FORMATION RECORD

SHORT FORMATION DESCRIPTION

	FROM	TO
<u>Morrison Formation - Surface-565' (EL)</u>		
No Samples.	0	330'
Siltstone; gray, green, firm-soft, sandy in part, Shale; orange-red, soft, trace chocolate brown mudstone, trace Chert, trace Sandstone; white, fine-coarse grained, loose, friable, quartzose.	330'	565'
<u>Bluff Formation - 565'-855' (EL)</u>		
Siltstone; gray, green, firm-soft, sandy in part, Shale; orange-red, soft, trace loose quartz grains, trace Chert.	565'	730'
Sandstone; pink, salmon, white, fine-coarse grained, loose friable, poorly-sorted, quartzose, calcareous, Shale; brown, pink, orange-red, soft, Siltstone; as above.	730'	790'
Siltstone; green, gray, firm, sandy in part, Shale; variegated, red, brown, green, Sandstone; as above.	790'	855'
<u>San Rafael Group - 855'-1005' (EL)</u>		
Siltstone; green, gray, firm, sandy in part, Shale; variegated, as above with some sandstone; pink, salmon, white, fine-coarse grained, friable, loose, as above.	855'	980'
Sandstone; pink, salmon, fine-coarse grained, poorly-sorted, calcareous, Shale; as above, Siltstone; as above.	980'	1005'
<u>Glen Canyon Group - 1005'-1700' (EL)</u>		
Shale; green, gray, purple, maroon, firm-soft, silty in part, with varying amounts sandstone; as above. (Navajo)	1005'	1200'
Sandstone; pink, salmon, some orange, some white, fine-coarse grained, poorly-sorted, occasional loose angular quartz fragments, Shale; as above. (Navajo)	1200'	1310'

Field Cahone Mesa State Utah County San Juan Sec. 16 T. 40S R. 25E

Company Mountain Fuel Supply

Well No. 1 Unit

<u>SHORT FORMATION DESCRIPTION</u>	<u>From</u>	<u>To</u>
Sandstone; pink, salmon, fine-coarse grained, poorly-sorted, as above, with some Shale; variegated, as above. (Kayenta)	1310'	1395'
Sandstone; pink, salmon, fine-coarse grained, poorly-sorted, as above, with some Shale; variegated, as above. (Wingate)	1395'	1500'
Sandstone; pink, orange, salmon, very fine-medium grained, mostly orange, trace Sandstone; white, fine-coarse grained, friable, calcareous, Shale; as above, (Wingate)	1500'	1700'
<u>Chinle Formation - 1700'-2635' (EL)</u>		
Sandstone; as above, mostly orange, becoming more firm, less calcareous, trace Sandstone; coarse grained, with occasional white specks, occasional colored grains.	1700'	1720'
Siltstone; red-brown, brick red, non-calcareous, firm, sandy in part, with some Sandstone; as above.	1720'	1810'
Siltstone; red-brown, brick red, firm, sandy, calcareous with more Sandstone; as above.	1810'	1900'
Siltstone; as above, becoming more sandy,	1900'	2000'
Shale; red-brown, maroon, purple, green, mottled, sandy in part, some orange speckled, with Siltstone; as above, Sandstone; as above.	2000'	2570'
Shale; as above with some Gypsum; white, soft, trace Chert.	2570'	2635'
<u>Shinarump Formation - 2635'-2700' (EL)</u>		
Shale; as above, becoming sandy in part, no Gypsum.	2635'	2650'
Sandstone; white, green, fine-coarse grained, poorly-sorted, friable, conglomeratic, calcareous, occasional colored grains, abundant loose quartz grains, angular-sub-rounded, Shale; as above with some Siltstone; green, firm, calcareous, trace Calcite.	2650'	2700'
<u>Moenkopi Formation - 2700'-2850' (EL)</u>		
Sandstone; as above, becoming less coarse grained, trace Calcite.	2700'	2800'
Shale; brown, red, maroon, green, firm, blocky, some loose quartz fragments, some chert, trace Conglomerate, trace Sandstone; white, very fine-fine grained, calcareous, tight.	2800'	2830'
Siltstone; red, red-brown, maroon, sandy in part, firm, calcareous, trace Sandstone; white, as above, Shale; as above, becoming more sandy, trace loose quartz fragments, trace Chert, trace Conglomerate.	2830'	2850'
<u>DeChelly Formation - 2850'-2930' (EL)</u>		
Siltstone; as above, Shale; as above, becoming less sandy, abundant loose amber quartz grains, sub-rounded, very coarse grained, some angular quartz fragments.	2850'	2900'
Shale; red, red-brown, maroon, green, sandy in part, abundant loose quartz grains, amber, rounded, some Chert, trace Sandstone; green, red-brown, fine-coarse grained, poorly-sorted, friable, with black grains.	2900'	2930'

Field Cahone Mesa State Utah County San Juan Sec. 16 T. 40S R. 25E

Company Mountain Fuel Supply

Well No. 1 Unit

<u>SHORT FORMATION DESCRIPTION</u>	<u>From</u>	<u>To</u>
<u>Cutler Formation (Undivided) - 2930'-4776' (EL)</u>		
Shale; red, red-brown, maroon, green, sandy in part, as above, with some Siltstone; red, red-brown, maroon, sandy in part, occasional trace Sandstone; green, red-brown, fine-medium grained, poorly-sorted, friable.	2930'	3150'
Shale; as above, Siltstone; as above with trace Sandstone; white, pink, some green, very fine-medium grained, friable, poorly-sorted, trace Chert.	3150'	3200'
Siltstone; red, red-brown, pink, firm, sandy in part, calcareous, Shale; red, red-brown, some gray, some chocolate brown, soft-firm, occasional trace loose quartz grains, occasional trace Sandstone; white, green, pink, very fine-fine grained, hard, tight.	3200'	3380'
Ditto; as above; increase in Sandstone; as above.	3380'	3510'
Siltstone; as above, Shale; as above, decrease sandstone; as above.	3510'	3610'
Shale; red, red-brown, some gray, some chocolate brown, soft-firm, silty in part, with Sandstone; white, green, pink, calcareous, hard, tight, Siltstone; as above.	3610'	3740'
Shale; red, red-brown, green, purple, some brown, firm-soft, silty in part, Siltstone; red, red-brown, green, purple, calcareous, firm, sandy in part, varying amounts Sandstone; white, green, pink, very fine-medium grained, calcareous, mostly friable.	3740'	4230'
Ditto; as above, occasional trace Calcite and Anhydrite.	4230'	4490'
Sandstone; gray-light gray, fine-medium grained, calcareous, micaceous, with some colored grains, soft, friable.	4490'	4520'
Shale; as above, Siltstone; as above, with some Limestone; white-pink, micaceous in part, soft, argillaceous (abundant cavings).	4520'	4775'
<u>Upper Hermosa Formation - 4775'-5666' (EL)</u>		
Shale; red to orange, silty, Siltstone; red to orange, as above with some Limestone; light-dark gray, brittle (abundant cavings).	4775'	4800'
Limestone; light-dark gray, some clear, some tan, granular-micro-crystalline, trace fossils, trace Chert with Shale & Siltstone; as above, occasional trace black Shale (abundant cavings).	4800'	5300'
Limestone; light-dark gray, granular-micro-crystalline, hard, dense, trace black Shale, trace Chert, Shale; light-dark gray, firm, blocky, calcareous, occasional trace Pyrite (abundant red Shale cavings).	5300'	5670'

Field Cahone Mesa State Utah County San Juan Sec. 16 T. 40S R. 25E

Company Mountain Fuel Supply

Well No. 1 Unit

SHORT FORMATION DESCRIPTION

From To

Paradox Formation - 5666'-TD (GRN)

Ismay Zone - 5672'-5826' (GRN)

Shale; light-dark gray, with some Limestone; light-dark gray, trace black Shale, trace Chert (abundant red Shale cavings). 5670' 5690'

Limestone; light-dark gray, granular-micro-crystalline, dense, hard, argillaceous and anhydritic in part, with interbedded Shale; black, fissile-platey, limey in part, dense, hard, some Dolomite light dark gray, dense, hard. Fossils (brachs & forams). (Core) 5690' 5826'

Black Shale - 5826'-5873' (GRN)

Shale; black, sooty, smooth, fissile-platey, hard, dense. (Core) 5826' 5873'

Desert Creek Zone - 5873'-5969' (GRN)

Limestone; light-dark gray, some brown, fine crystalline-micro-crystalline, argillaceous-anhydritic in part, with interbedded Shale; as above and Dolomite; light-dark gray, dense, hard. Fossils (brachs & forams) (Core) 5873' 5969'

Black Shale - 5969'-TD (GRN)

Shale; black, sooty, smooth, fissile in part, hard. (Core) 5969' 5990'

ALS

Form 9-52b
(April 1952)

(SUBJECT IN REPLICATE)

Indian Agency None

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15		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Address Mobil Oil Co.

Lease No. 14-29-603-2052

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 SMOOTHING OR ACCIDING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REGRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REGRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACCIDE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	XX
NOTICE OF INTENTION TO ABANDON WELL			

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

Cahone Mesa No. 1

May 8

1962

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. 16

C NE NW sec. 16
(4 Sec. and 36 Sec. No.)

408

25

S. L. M.

Cahone Mesa
(Town)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ^{ground} ~~surface~~ floor above sea level is 4975 ft.

DETAILS OF WORK

(State names of and expected depths to objectives; show plans, weights, and lengths of proposed casings; indicate casing joints, cementing points, and all other important proposed work)

The subject well was spudded at midnight, night of May 7, 1962 and is currently drilling a 9-7/8" hole at 164'.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By [Signature]

by S. M.

Title Vice President

JK

R.L.S.

Form approved
Federal Bureau No. G-2224

Form G-2224
(April 1952)

(SUBMIT IN TRIPLICATE)

Field Office Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Applicant Mobil Oil Company
Lease No. 14-20-603-2052

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 CASINGS	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASINGS		SUPPLEMENTARY WELL HISTORY	XX
NOTICE OF INTENTION TO ABANDON WELL			

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

Cahone Mesa Well No. 1 May 14 1952

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. 16

C NE NW sec. 16 408 25 E. S L. M.
(4 Sec. and 6th No.) (Twp) (Range) (Meridian)
Cahone Mesa San Jaun Utah
(Field) (County or Sub-division) (State or Territory)

The elevation of the derrick floor above sea level is 4984.36 ft.

DETAILS OF WORK

(State names of and expected depths to objectives, casing sizes, weights, and lengths of proposed casings; indicate casing joints, connecting points, and all other important proposed work.)

The subject well is drilling a 7-7/8" hole at a depth of 3212'.
At a depth of 335', the following surface casing was run into the well:

	Net	Gross
1 NECO type B casing flange	1.50'	1.50'
10 jts. 13-3/8" OD 48# H-40 8rpd thd ST&C casing	308.96'	311.87'
1 Howco guide shoe	1.13'	1.13'
	311.59'	314.50'

The above casing was landed at 323.26' KBM, and cemented with 400 sacks Ideal regular cement. Good mud returns were obtained prior to and while mixing and displacing cement. Had about 25 barrels of cement returns to surface. Pressure tested casing, blind and pipe rams, and Hydril BOP to 500 psi each for 15 minutes; pressure tests held good.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129
Rock Springs, Wyoming

By [Signature]

Title Vice President

Form 9-551 b
(April 1955)

0		
15		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency NAVAJO

Address Mobil Oil Company

Lease No. 14-20-603-2052

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 REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	XX
NOTICE OF INTENTION TO ABANDON WELL.....		

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

Cahone Mesa Well No. 1

MAY 23

19 62

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. 16

C NE NW sec. 16 40S 25 E S. L. M.
(Twp.) (Range) (Meridian)

Cahone Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4984.36 ft.

DETAILS OF WORK

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

The subject well is drilling at a depth of 5272' in the Hermosa formation, top of which was picked by sample at 4770'. Other sample tops of formations are as follows:

Bluff	650'
Entrada	870'
Navajo	1440'
Kayenta	1720'
Wingate	1810'
Chinle	2000'
Mossback	2650'
Moenkopi	2800'
De Chelly	2860'
Organ Rock	2950'

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129
Rock Springs, Wyoming

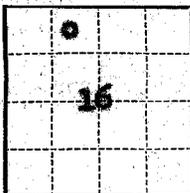
By [Signature]

Title Vice President

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Mobil Oil Company
Lease No. 14-20-603-2072

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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL		

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

Cahone Mesa Well No. 1 _____ May 29 _____, 1962

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. 16

C 22 NW sec. 16 40S 25E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Cahone Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5984.36 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)

The subject well is at a depth of 5850', circulating for drill stem test No. 1 from 5743' to 5850'. Sample top of the Ismay was picked at 5701'.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By [Signature]

Title Vice President

Copy W.L.C.

Budget Bureau No. 42-2226.4
Approval expires 12-31-62

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Indian Land
LEASE NUMBER Navajo Contract
UNIT 14-20-603-2062

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cahone Mesa

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1962

Agent's address P. O. Box 989 Company MOUNTAIN FUEL SUPPLY COMPANY
SALT LAKE CITY, UTAH Signed F. R. Neely

Phone _____ Agent's title DIVISIONAL CHIEF ACCOUNTANT

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DATE OPERATED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C 16 NW	40	25	1							May 31, 1962 Drilling at 5919'

Note.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

•		
	16	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Mobil Oil Co.

Lease No. 14-20-603-2052

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

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

Cahone Mesa Well #1 June 5, 19 62

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. 16

C NE NW sec. 16 40 S 25 E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cahone Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4984.36 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)

Total depth 5990', plugged and abandoned and rig released June 3, 1962. Oral permission to plug and abandon this well was secured in a telephone conversation between Mr. R. G. Myers of this Company and Mr. Phil T. McGrath of the U. S. Geological Survey under date of June 2, 1962. This sundry notice will serve as confirmation of oral notice of intention to abandon and subsequent notice of abandonment.

TEST #1: 5743'-5850', Ismay, ISI 1/2 hour, tool open 2 hours, FSI 1 hour, weak steady blow throughout test, no gas to surface. Recovered 200' of mud, slightly gas cut with skin of oil. ISIP 1460 psi, IHP 2990 psi, ITP 60 psi, FFP 120 psi, FSIP 1460 psi, FHP 2900 psi.

TEST #2: 5871'-5952', Desert Creek, ISI 1/2 hour, tool open 1 hour, FSI 1 hour, very weak blow, dead in 25 minutes. Recovered 120' mud. Pressures not obtained due to faulty insertion of pressure bomb in test tool. (over)

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129
Rock Springs, Wyoming

By [Signature]
Title Vice President

Copy H. L. C.

Budget Bureau No. 43-1230-1
Approval expires 12-31-62

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER Indian Land
UNIT Navajo Contracts
14-20-603-2032

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Cahone Mesa

The following is a correct report of operations and production (including drilling and producing wells) for the month of June 1962, 19____

Agent's address P. O. Box 989 Company MOUNTAIN FUEL SUPPLY COMPANY
SALT LAKE CITY, UTAH Signed F. L. Neely

Phone _____ Agent's title DIVISIONAL CHIEF ACCOUNTANT

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C NE NW 16	40	25	1							Plugged and Abandoned 6-3-62 5990'

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

COMPLETION REPORT

Operator: Mountain Fuel Supply Company
 Well: Cahone Mesa Well No. 1
 Area: Cahone Mesa
 Location: 660 feet FNL and 1980 feet FWL, Sec. 16, T. 40 S., R. 25 E., San Juan County, Utah
 Drilling Commenced: May 7, 1962
 Drilling Completed: June 1, 1962
 Rig Released: June 3, 1962
 Total Depth: 5990 feet
 Formation Tops: Bluff 565' DeChelly 2850'
 San Rafael Group 855' Cutler 2930'
 Glen Canyon Group 1005' Hermosa 4776'
 Chinle 1700' Paradox 5666'
 Shinarump 2635' Ismay 5672'
 Moenkope 2700' Desert Creek 5872'
 Casing: 13-3/8" @ 323.28' KBM with 400 sacks
 Coring: Cored from 5694' to 5990' in six cores
 Productivity: Dry and abandoned

DRILL STEM TESTS

No.	Date	Bottom Packer	Total Depth	Initial Shut In	Flow	Final Shut In	Remarks
1	5/29/62	5743	5850	1460 (30)*	60-120 (120)*	1460 (60)*	No Gas Up. 200' mud.
2	5/31/62	5871	5952	None (30)	Clock not (60)	Wound (60)	No Gas Up. 120' mud.
3	6/1/62	5872	5990	2095 (30)	95-185 (90)	1930 (60)	No Gas Up. 350' m w.

*Indicates time interval in minutes.

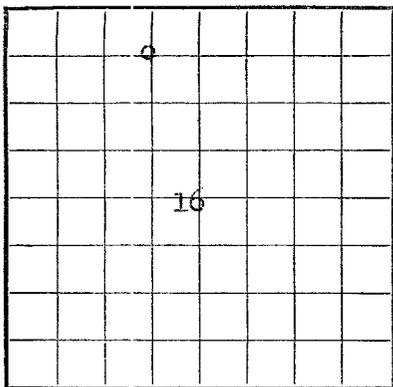
VBG:jw

Form 9-330

U. S. LAND OFFICE Indian Land

SERIAL NUMBER 14-20-603-2052

LEASE OR PERMIT TO PROSPECT
Cahone Mesa



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Mountain Fuel Supply Company Address P. O. Box 1129, Rock Springs, Wyoming

Lessor or Tract Socony Mobile Oil Co. Field Cahone Mesa State Utah

Well No. 1 Sec. 16 T. 40S R. 25E Meridian S. L. M. County San Juan

Location 560 ft. XX of N. Line and 1980 ft. XX of E. Line of sec. 16 Elevation 4984.36
(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 [Signature]

Date July 9, 1962 Title Vice President

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

Commenced drilling May 7, 1962 Finished drilling June 2, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 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 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	43	6rpd	Spring	1314.50	Howco guide				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	3:23.28KBM	400	Displacement		52 bbls. water.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

FOLD MARK

FOLD MARK

casing	13-3/8	323.28KBM	400	Displacement	52 bbls. water.

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5990 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 3 *1962*, 1962 Put to producing ~~Abandoned~~, 19____
 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

Aspen Drilling Co.
 _____, Driller
 R. E. McVay _____, Driller
 _____, Driller
 Max McAdam _____, Driller
 C. E. Watson _____, Driller
 A. R. Haskins _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			See attached formation record (2) electric logs enclosed

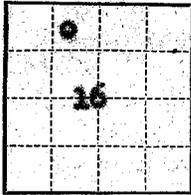
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Form 9-331 b
(April 1952)

Copy H. L. C.

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Mobile Oil Company
Lease No. 14-20-603-2052

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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)

Cahone Mesa Well No. 1 July 16, 1962

Well No. 1 is located 660 ft. from N line and 1980 ft. from XX line of sec. 16

C NE NW sec. 16 40E 25E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Cahone Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4984.36 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)

The subject abandoned location has been leveled and cleaned and is now ready for your inspection and final approval.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By [Signature]

Title Vice President