Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City
Lease No. 068506
Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

RECEIVED
MAR 11 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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 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	
NOTICE OF INTENTION TO ABANDON WELL			

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

March 9, 1953

Well No. 1 is located 660 ft. from {S} line and 660 ft. from {W} line of sec. 34

S. W. 1/4 Sec. 34 (¼ Sec. and Sec. No.) T-25-S, R-12-E (Twp.) (Range) SLBM (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. (Will be furnished later)

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 propose to drill with rotary tools to approximately total depth of 6000' unless commercial production, either oil or gas is encountered at lesser depth, testing various members within the Triassic, Permain and Pennsylvanian.

Casing Program:

100' to 300' of 10-3/4" 32.75# J-55 SS Casing - circulate cement to surface.

To top or thru any commercial pay zone encountered - 7" OD 20# to 4200' & 23# to 5900' J-55 SS Casing - cemented with not less than 100 sacks of cement. 23# N80 below 5900'

Surface to T.D. - 2" 4.70# J-55 Tubing if production is encountered.

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

Company Delhi Oil Corporation (APPROVAL IS CONDITIONAL UPON COMPLIANCE WITH THE TERMS ATTACHED HERETO)

Address P. O. Box 1175

Farmington, New Mexico

By J. B. Howell
J. B. Howell

Title Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

FEDERAL LAND

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.

2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.

3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.

4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.

5. Two copies of the log of this well on Form 9-330, or other acceptable form and ~~when available~~ two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.

6. The District Engineer, H. C. Scoville, 306 Federal Bldg., Salt Lake City 1, Utah Phone: 4-2552, Ext. 284, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

#1. SL 068506

Approved MAR 11 1953

(Orig. Sgd.) H. C. Scoville

District Engineer

County [illegible] State [illegible] Meridian [illegible]

Twp No. 25 Range. 12 [illegible]

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Location - Center of SW¼ SW¼ Section 34 Twp 25 R 12 E S.L.M.

DELHI OIL CORP.

THE STATE OF TEXAS

COUNTY OF DALLAS

On the 23rd day of December, 1955, personally appeared before me W. N. RUSSELL, the signer of the above instrument, who duly acknowledged to me that he executed the same.

My commission expires June 1, 1956

Notary Public in and for Dallas County, Texas

THE STATE OF TEXAS

COUNTY OF DALLAS

On the 23rd day of December, 1955, personally appeared before me, D. R. ZACHARY, who, being by me duly sworn, did say, that he is the President of AMERICAN LIBERTY OIL COMPANY, and that said instrument was signed in behalf of said corporation by authority of its Board of Directors, and said D. R. ZACHARY acknowledged to me that said corporation executed the same.

My commission expires June 1, 1956

Notary Public in and for Dallas County, Texas

THE STATE OF TEXAS

COUNTY OF DALLAS

On the 21st day of December, 1955, personally appeared before me, [illegible], who, being by me duly sworn, did say, that he is the President of DELTA OIL CORPORATION, and that said instrument was signed in behalf of said corporation by authority of its Board of Directors, and said [illegible] acknowledged to me that said corporation executed the same.

My commission expires [illegible]

Notary Public in and for [illegible] County

MARGUERITE SPENCER
Notary Public, Dallas County, Texas
My Commission Expires June 1, 1956

POOR COPY

NOW, THEREFORE, for and in consideration of the premises, the undersigned have released, and hereby release, and by these presents do release, quit and forever discharge the United States of America, and any and all other persons, firms or corporations, whomsoever, from any and all claims, demands, actions, causes of action, damages, costs, expenses and liabilities of any kind or character, whatsoever, arising out of, or in any way connected with the operation and ownership of the above described well, including, without limitation, the plugging of the said above described well, together with the plugging of wells and cisterns on all tracts for the purpose of abandoning or reworking said well, for the protection of water [illegible]

[illegible] or the [illegible] any tanks and other [illegible] to operate said well and remove water therefrom, or the use for the drilling, plugging or reworking of any wells, or the exploration or development of any lands covered and included within the terms and provisions of the above lease or any other leases or portions thereof covered by the United States of America in [illegible] of the above described leases.

This instrument, however, on the date of execution hereof, shall be effective as of [illegible], 1955.

IN WITNESS WHEREOF, the undersigned have executed this Release on this 25th day of [illegible], 1955.

W. N. RUSSELL

W. N. RUSSELL

ATTEST:

AMERICAN LIBERTY OIL COMPANY

By [illegible]

ATTEST:

MIDLAND OIL CORPORATION

By [illegible]

Vice President

POOR COPY

RELEASE OF WATER WELL

WHEREAS, that certain Oil and Gas Lease was made and entered into on February 1, 1956, by and between the United States of America, lessor, and W. N. Russell, lessee, bearing serial number Salt Lake City 060506, covering and including the following described lands located in Emery County, Utah:

Township 20 South, Range 12 East, S.L.M., Utah

Section 256: All
Section 268: NE/4, NE/4 NW/4, NE/4 SE/4
Section 34: All
Section 356: All

and containing 2400 acres, more or less;

RECEIVED
MAY - 1984
U.S. DEPARTMENT OF INTERIOR
SALT LAKE CITY, UTAH

WHEREAS, American Liberty Oil Company, a Delaware Corporation whose address is P. O. Box 6105, Dallas, Texas, and Delhi Oil Corporation, a Delaware corporation whose address is Commerce Tower, Dallas, Texas, have certain interests in and to said lease and lands; and

WHEREAS, said lease provides in Section 6(G) thereof that there is reserved by the lessor all rights pursuant to Section 40 of the Mineral Leasing Act of February 25, 1920, (41 Stat. 437, as amended) to purchase casing and lease or operate valuable water wells located on said lease and lands; and

WHEREAS, the said Delhi Oil Corporation has drilled and completed a certain water well commonly known as the W. N. Russell Water Well No. 1, located 755 ft. from the South line and 895 ft. from the West line of Section 34 in Township 20 South, Range 12 East, said well being located in the SW/4 of the said Section 34, a portion of the above described lease and lands, which well appears to contain water of such quality and quantity as to be valuable and useable at a reasonable cost for agriculture, domestic and other purposes; and

WHEREAS, the United States of America, acting by and through the Secretary of the Interior and the Bureau of Land Management of the Department of the Interior, desires, pursuant to said lease and said Mineral Leasing Act of February 25, 1920, as amended, to take over said well, with the express understanding and agreement that the taking over of such well will not restrict operations under said lease.

POOR COPY

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City

Lease No. 068506

Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

RECEIVED
MAR 27 1953
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
		Water Well Completion	X

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

March 25, 1953

W. N. Russell

WATER Well No. 1 is located 735 ft. from {N/S} line and 835 ft. from {E/W} line of sec. 34

S.W. 1/4 Sec. 34 (¼ Sec. and Sec. No.) T-25-S (Twp.) R-12-E (Range) SLBM (Meridian)

(Field) Emery (County or Subdivision) UTAH (State or Territory)

The elevation of the derrick floor above sea level is ..... ft. (Not available to-date)

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)

Water well was drilled with cable rig to T.D. of 290' and completed 3/23/53. Ran 6" ID 8,25# Invasion Pipe with the bottom 60' perforated. Pipe was set at 290' with 7 sacks of regular cement used from surface to 18'. Well is being pumped at present and will make 15 bbls. per hour of non-potable water.

L O G

From	TO	Footage	Formation
0'	6'	6	Surface sand
6'	25'	19	Sandy shale
25'	187'	162	red sandy shale
187'	227	40'	Sand
227'	290'	63'	Soft Sand

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

Company Delhi Oil Corporation

Address Box 1175

Farmington, New Mexico

By J. B. Howell
J. B. Howell
Title Superintendent

Approved .....
District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-84237-4

DELHI OIL CORPORATION NO. 1 RUSSELL
Section 34, T. 22S, R. 12E
Emery County, Utah
Elevation: 5157' RB SLC 068506
Spudded: 3-22-52
Completed: 6-7-53
Production: D&A

RECEIVED
MAY 10 1954

cc

ORIGINAL FORWARDED TO GOSPER

Lithological Log

0-80	Red and yellowish-white, very fine grained limy siltstone; red-brick- shale with streaks of gypsum.
80-128	Same as above, with loosely-consolidated angular frosted quartz grains; abundant gypsum and medium to dark gray shale.
128-150	Pink and white, fine to medium grain loosely cemented sandstone.
150-185	Same sandstone, with abundant red-brick shale.
185-300	(Top Carmel, 298') Same pink, unconsolidated, sandstone.
300-310	Pink and white powder gypsum with salt and pepper limy sandstone.
310-320	Pink and white anhydrite & gypsum with red brick shale.
320-360	Pink, dense anhydrite with fiber gypsum.
360-380	Gypsum and red beds.
380-410	White gypsum.
410-460	Pink & white gypsum and anhydrite.
460-490	Medium gray, slightly dense, silty limestone.
490-510	Medium gray, slightly dense, silty limestone with dark gray shale.
510-530	Red brick siltstone and light gray porous fine grain sandstone.
530-545	Red brick siltstone and light gray porous fine grain sardstone with black shale.
545-575	Red brick, limy, siltstone.
575-605	Red brick, limy siltstone with light gray, fine grain, limy sandstone.
605-610	White chert.
610-650	Siliceous chert and dark gray cherty shale with odd size sand particles and fine gypsum.
650-660	Same as above with light green shale.
660-680	Chocolate shale and red-brick siltstone.
680-694	Dark gray cherty, very limy shale.

694-1052	(Top Navajo (Jurassic) at 694') Pink and buff, medium grained, friable, round to sub-round, frosted sandstone, with minor dark gray shale.
1052-1118	Same, except with 30% interbedded shale.
1118-1135	Same, except with abundant chocolate colored shale.
1135-1295	(Top Kayenta at 1135') Pink to medium gray, medium grained micaceous sandstone, with minor dark gray shale.
1295-1400	Reddish brown, fine grained, glauconitic, micaceous sandstone. Trace, dark shale.
1400-1420	Pink to buff, fine to medium grained, less glauconitic sandstone with traces of reddish-brown shale.
1420-1620	(Top Wingate at 1420') Same, except no shale.
1620-1630	Same, except more friable sandstone.
1630-1635	White to cream, dense, gypsum interbedded with some pink siltstone.
1635-1640	Brown siltstone and greenish gray, marly, limy shale and chocolate brown shale.
1640-1693	Same pink to buff sandstone with interbedded gypsum and traces of chocolate shale.
1693-1745	Pink to buff, fine to medium grained, sandstone. (Top Chinle Triassic at 1745')
1745-1890	Reddish-brown, fine grained, dense, glauconitic in part, micaceous siltstone with minute fibers of gypsum. Trace cream, bentonitic cemented siltstone, and limy medium gray shale.
1890-1900	Dark gray shale.
1900-1990	Same red siltstone with gypsum, chocolate shale, and dark gray shale.
1990-1996	Green fissile shale.
1996-2001	Vari-colored shales.
2001-2010	Arkose
2010-2042	(Top Shinarump at 2010') Pink to fine grained glauconitic sandstone with minor red shale and chert.
2042-2090	Light gray, angular quartz. Sandstone and pebble to gravel size conglomerate.

2090-2120	(Top Moenkopi at 2090') Reddish shale with yellow chert.
2120-2220	Interbedded light gray, fine grained, pyritic siltstone with bluish-gray dense siltstone. Traces of red shale.
2220-2485	Same, except no red shale.
2485-2615	Same, except with abundant oil and asphalt shows.
2615-2680	(Top Kaibab, Permian, at 2615') Chalky marl, with abundant asphalt.
2680-2715	(Top Coconino at 2680') Light gray, fine grained, angular to sub-round, frosted sandstone with interbeds of red shale, asphalt and white chert.
2715-2980	Same slightly porous, crumbly sand grains. In part Orthoquartzitic.
2980-3060	Same, except very pyritic.
3060-3350	Tan to light gray, very limy, crumbly sand.
3350-3380	(Top Rico, Penn., at 3350') Same, except less limy and with abundant pyrite.
3380-3560	Tan and bluish-gray, very fine grained crystalline sandstone.
3560-3623	Pink, dense sandstone with few large sub-round quartz grains. Traces chocolate shale.
3623-3695	Same but with + 50% chocolate shale.
3695-3900	(Top Hermosa at 3695') Light gray, dense, cherty sandy dolomite.
3900-4155	Light to medium gray, slightly dense sandy limestone.
4155-4157	(Top Paradox, 4155') Light gray, cherty sandstone with traces of asphalt.
4157-4195	Light to medium gray, slightly chalky limestone.
4195-4210	Tan, fine grained, dense sandy limestone and dark gray shale.
4210-4225	Buff, dense limestone with chert.
4225-4230	Tan and buff limestone with pink and orange chert.
4230-4270	Light gray, dense, very micaceous (biotite & phlogopite) fine grained sandstone with traces purple shale.
4270-4297	Tan to buff crystalline, sandy limestone.
4297-4305	Tan, fine grained, limy, micaceous, glauconitic siltstone.
4305-4310	Same, except very limy.

4310-4320	Light to medium gray, slightly dense, chalky limestone.
4320-4330	Same, except with red shale.
4330-4345	Light gray chalky limestone.
4345-4380	Light brown and tan limestone with abundant dark brown chert, dark gray shale, and traces coal. (Slight oil florescence)
4380-4400	Same, except no coal and with less chert.
4400-4430	Same, except with abundant white and pink anhydrite.
4430-4450	Light to medium gray, dirty limestone.
4450-4460	Light gray and tan, very limy dense siltstone.
4460-4508	Light gray dense dolomite and dark gray shale.
4508-4512	Black shale and coal.
4512-4565	Dark gray shale, and siltstone, with medium sand and chert inclusions. Traces white anhydrite.
4565-4600	Slightly sandy and cherty dolomite.
4600-4625	Medium gray, dense dolomite with pink anhydrite.
4625-4641	Tan to buff, dense limy siltstone.
4641-4700	Medium gray micaceous siltstone and light gray and tan limestone.
4700-4730	Same, with less lime and with abundant anhydrite and pink chert.
4730-4740	Dense, cherty, silty dolomite.
4740-4774	Light to medium gray, dense, slightly fossiliferous limestone. Vuggy in part.
4774-4782	Light gray dense, vuggy in part, dolomite.
4782-4794	Light gray to tan siltstone, with calcite in vertical horizontal fractures.
4794-4824	Medium to light gray, dense dolomite. Silty in part.
4824-4842	Tan to light gray, slightly chalky, silty limestone.
4842-4852	Tan to medium gray sandy limestone, with dolomite crystals.
4852-4886	Tan, slightly vuggy, silty dolomite.
4886-4930	Tan to light gray.

4930-4960	Light to medium gray, dense, slightly cherty, dolomite.
4960-5012	Medium gray, slightly dense limestone.
5012-5092	Light to medium gray silty limestone.
5092-5110	Light to medium gray, slightly vuggy limestone. Slight oil florescence.
5110-5128	Light gray, cherty limestone.
5128-5140	Tan, dense, flakey anhydrite, with light to medium gray, very dense dolomite.
5140-5153	Light to medium gray, cherty limestone with traces of dark gray shale.
5153-5180	Interbedded dolomite and limestone, vuggy in part.
5180-5237	Medium gray, dense dolomite (Des Moines top at 5180').
5237-5245	Light gray, fossiliferous limestone with vertical fractures.
5245-5285	Interbedded silty dolomite and medium gray limestone.
5285-5295	Same limestone, with interbedded red shale.
5295-5300	Bluish gray dense siltstone.
5300-5317	Red siltstone and clays.
5317-5372	Bluish gray and reddish brown shales with medium gray fossiliferous limestone. Traces dolomite.
5372-5392	Same limestone, with orange and red clay.
5392-5418	Tan and pink dense limestone.
5418-5450	Same with slightly more tan siltstone.
5450-5460	(Top Molas, 5450') Pink and tan, slightly chalky in part, in part crystalline dolomite.
5460-5494	Same with more interbedded silt and shale.
5494-5510	Pink, crystalline dolomite with minor red shale. (Base of Molas at 5494').
5510-5525	Less pink, more sandy dolomite. Trace, white gypsum and green shale.
5525-5592	Pink dolomite with minor red shales.
5592-5600	Medium gray, dense crystalline limestone.

5600-5700	Tan and light gray, dense, vuggy dolomite.
5700-5710	Same, with carbonaceous streaks.
5710-5790	Light gray, very vuggy dolomite.
5790-5842	(Top of Devonian at 5790') Same, with greenish dense siltstone.
5842-5941	Same vuggy dolomite, except with less siltstone and more limestone.
5941-5946	Same except with carbonaceous streaks.
5946-5990	Same, vuggy dolomite.
5990-6000	Same, except with traces of bone-white chert.
6000-6008	Same, very vuggy dolomite. (Total depth at 6008').

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City
Lease No. 068506
Unit

34

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

RECEIVED
MAR 27 1953
U. S. OIL & GAS DIV.
GEOLOGICAL SURVEY
LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
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NOTICE OF INTENTION TO ABANDON WELL			

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

W. N/ Russell March 25, 1953

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 34

S.W. 1/4 Sec. 34 (¼ Sec. and Sec. No.) T-25-S (Twp.) R-12-E (Range) SLBM (Meridian)

Wildcat No. Hankewill (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is ..... ft. (Will be furnished later)

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)

Well spudded 3/22/53

Ran 8 joints of 10-3/4" OD 8RT 32.75# H-40 SS Casing (258') landed at 268' (KB) with 250 sacks of regular cement and circulated to surface. Prior to drilling plug casing was pressured to 500# for 30 Min. with no drop; after drilling plug rams were closed and pressured to 500# with no evidence of circulation outside casing.

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

Company Delhi Oil Corporation

Address Box 1175

Farmington, New Mexico

By J. B. Howell
J. B. Howell
Title Superintendent

Approved 3-27-53

District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City
Lease No. 068506
Unit

34

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CHOPER

RECEIVED
JUN 10 1953

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

June 7, 1953, 19

W. N. Russell

Well No. 1 is located 660 ft. from {S} line and 660 ft. from {W} line of sec. 34

S. W. 1/4 Sec. 34 (¼ Sec. and Sec. No.) T-25-S (Twp.) R-12-E (Range) SLBM (Meridian)

Wildcat N/Hanksville (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5157 ft. D. F.

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)

After logging and Drill Stem Testing well at approximately 6000' if no oil or gas is encountered; we propose to plug and abandon well as follows: 25 sacks cement plugs at 5800', 5600', 4800', 1150', 275' and in top of surface pipe with 4" pipe marker embedded in cement and extending 4' above surface with well sign attached, fill pits and cover all mud and clean up location.

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

Company Delhi Oil Corporation

Address P. O. Box 1175

Farmington, New Mexico

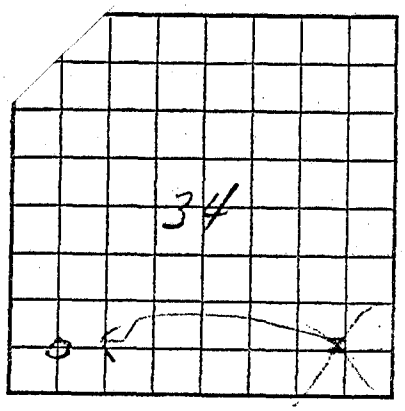
By J. B. Howell
J. B. Howell
Title Superintendent

Approved 6-7-53 gally
F. C. Scoville
District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Salt Lake City
Serial Number 068506
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 23 1953
U. S. OIL & GAS BR.
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

ORIGINAL FORWARDED TO CASPER

LOG OF OIL OR GAS WELL

Company Delhi Oil Corporation Address Box #1175, Farmington, New Mexico
Lessor or Tract W. N. Russell Field Wildcat State Utah
Well No. 1 Sec. 34 T. 25-S R. 12-E Meridian SLBM County Emery
Location 660 ft. {N.} of S Line and 660 ft. {E.} of W Line of Sec. 34 Elevation 5157
(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 J B Stewart

Date June 22, 1953 Title Supt.

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

Commenced drilling 3-22, 1953 Finished drilling 6-7, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from N to N
No. 2, from O to O
No. 3, from N to N
No. 4, from to
No. 5, from to
No. 6, from to

IMPORTANT WATER SANDS

No. 1, from N to N
No. 2, from O to O
No. 3, 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 From—	Perforated To—	Purpose
10-3/4	32.75	8 RT	Pittsburg	268	none	(Left cemented)			surface csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	268	250	Halliburton		

~~Left hole full of 9.5#, 70 viscosity mud, Halliburton spotting cement plugs of 25 sacks each at 5800', 4800', 1150', 275', and 10 sacks cement in top of surface casing with 10' of 4" pipe extending 4' above surface with well sign attached. pits filled location cleaned up.~~

PLUGS AND ADAPTERS

Heaving plug — Material — Length — Depth set

LD | MARK

Shooting plug—Material NONE Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		NONE				

TOOLS USED

Rotary tools were used from 0 feet to 6008 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing DRY HOLE, 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

_____, Driller J. P. Benefield, Driller

_____, Driller Jeff Copeland, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION		
0	298	298	Entrada	(Jurassic)	Sandstone & Shale
298	694	396	Carmel	"	" "
694	1420	726	Navajo	"	"
1420	1745	325	Wingate	"	"
1745	2010	265	Chinle	(Triassic)	"
2010	2090	80	Shinarump	"	"
2090	2615	525	Moenkopi	"	" "
2615	2680	55	Kiabab	(Permian)	Limestone
2680	3350	630	Coconino	"	Sandstone
3350	3695	345	Rico	(Pennsylvania)	Sandstone & shale
3695	4155	460	Hermosa	"	Limestone
4155	5185	1030	Paradox	"	" "
5185	5450	265	DeMoines	"	"
5450	5590	140	Molas	"	" "
5590	5790	200	Mississippian	Dolomite	
5790	6008 (T.D)	218	Devonian	"	

FROM— TO— TOTAL FEET FORMATION

(OVER)

FORMATION RECORD—Continued

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City
Lease No. 068506
Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

RECEIVED
JUN 23 1953
U.S. OIL & GAS BR. GEOLOGICAL SURVEY
LAKE CITY, UTAH

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 REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
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)

6-22, 1953

Russell

Well No. 1 is located 660 ft. from {S} line and 660 ft. from {W} line of sec. 34

SW¼ Sec. 34 (¼ Sec. and Sec. No.) 25-S (Twp.) 12-E (Range) SLBM (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5157 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)

After logging and Drill Stem Testing at Total Depth of 6008, no oil or gas was encountered, well was plugged and abandoned as follows: 25 sacks cement plugs each were spotted by Halliburton with hole full of 9.5#, 70 viscosity mud at 5600, 5800', 4800', 1150', 275', and 10 sack s in top of surface casing with 10' of 4" line pipe extending 4' above surface and with well sign attached. Pits have been filled location leveled and cleaned up.

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

Company Delhi Oil Corporation

Address Box #1175,
Farmington, N.M.

By J. B. Howell
J. B. Howell
Title Supt.

Approved 4-14-54
H. C. Saville
District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

OWNER-OPERATOR

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake City
Lease No. 068506
Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

34

ORIGINAL FORWARDED TO CASPER

RECEIVED
JUL 1 - 1953
U.S. OIL & GAS DIV.
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

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 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	
NOTICE OF INTENTION TO ABANDON WELL		Sundry Report of D.S.Ts.	X

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

June 29, 19 53

Russell

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 34

S.W. 1/4 Sec 34 — (¼ Sec. and Sec. No.)
T-25-S R-12-E — (Twp.) (Range)
SLBM — (Meridian)
Wildcat N/Hanksville — (Field)
Emery — (County or Subdivision)
Utah — (State or Territory)

The elevation of the derrick floor above sea level is 5157 ft. D.F.

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)

DST #1 - 2450' to 2477'
Lower Moenkopi
open 1 hr-SI 15 min
3½" DP 1" top choke-5/8" bottom choke
IFP - 35# FFP 55# SIBHP 142#
Sli. blow air - recovered 95' very slight gas cut mud.

DST #2 - 2485' to 2540'
Lower Moenkopi- open 30 min no SI
packer failed- sli blow air - dead 5 min. recovered 30' drlg mud - no pressures

DST #3 - 3790' to 3850' - Hermosa
open 1 hr SI 20 min. 3-1/2" DP
3/4" top 1-1/4" btm chokes
no pressures, sli blow air dead 5 min. - recovered 6' drlg mud.

DST #4 - 4737' to 4789' - Paradox
open 1½ hrs- SI 30 min. - 3½ DP
3/4" top 1¼" Btm. chokes
IFP 10#, FFP 53# SIBHP none
weak blow air thruout test recovered 185' drlg. mud.

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

(SEE OVER)

Company Delhi Oil Corporation

Address Box 1175
Farmington, New Mexico

By J. B. Howell
J. B. Howell
Title Superintendent

Approved JUL 6 - 1953
(Orig. Sgd.) H. C. Scoville
District Engineer

DST #5 - 4785' to 4988'
Paradox
open 1½ hrs. SI none
3½" DP, 3/4" top, 1¼ Btm chokes
IFP 525#, FFP 1605# SI none
good blow carbon dioxide gas
recovered 300' mud -3350' water

DST #6 - 5098' to 5195'
Paradox
open 2 hrs - SI 30 min.
3½" DP, 3/4" top 1¼" btm chokes
IFP 20#, FFP 212#, SIP 1218
weak blow air thruout
recovered 575' drlg mud

DST #7 - 5210' to 5320'
Paradox
open 1½ hrs SI 30 min.
3½" DP, 3/4" top, 1¼" btm chokes
IFP 35#, FFP 35#, SIP 1155
weak blow air dead 5 min.
recovered 30' drlg, mud.

DST #8 - 5446' to 5485'
Mississippi
Open 1 hr 30 min. SI 30 min.
3½" DP, 3/4" top - 1-1/4" Btm chokes
IFP 0, FFP 0, SIP 1375#
weak blow 40 min - died
recovered 200' water cut mud

DST #9 - 5595' to 5720'
Mississippi
open 1 hr-30min., SI 30 min.
3½" DP, 3/4" top, 1¼" btm chokes
IFP 380#, FFP 850#, SIP 2000
good blow air thruout test
recovered 2070' salt water

DST #10 - 5789' to 6008'
Devonian
open 30 min SI 30 min.
3½" DP, 3/4" top 5/8" btm chokes
IFP 500#, FFP 1800#, SIP 2100
good blow air thruout test
recovered 2900' water

TTLE'S 35092 75M 11-51

Halliburton
OIL WELL CEMENTING COMPANY
DUNCAN, OKLAHOMA

CEMENTING SERVICE TICKET

RECEIVED
JUN 23 1953
U. S. OIL & GAS BR.
GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

ATE 6-8-53 PLACE GREEN RIVER, UTAH ORDER NO. 12093

ell No. 1 Farm RUSSELL County EMERY State UTAH Sec. 34 T. 25S R. 12E

Mailing Address DELHI OIL CORP. CORRIGAN TOWER

Contractor SAN JUAN DRLG. CO.

City & State DALLAS, TEX

City & State FARMINGTON, N.M.

Truck Called Out 6-7-53 5 AM PM On Location 6-7-53 8:30 AM PM Job Began 6-7-53 9:30 AM PM Job Completed AM PM

TYPE OF JOB (√) ONE		CASING		HOLE DATA		TUBING or DRILL PIPE		CEMENTING PACKER	
FACE		NEW	✓	BORE SIZE	8 3/4	SIZE	3 1/2	SIZE	
ERMEDIATE		USED		TOTAL DEPTH	6008	TYPE	Mod.	TYPE	X
DUCTION		SIZE	10 3/4	ROTARY	✓	WEIGHT	13.30	WEIGHT	
EEZE		WEIGHT	40.5	CABLE TOOL		TOTAL DEPTH		DEPTH SET	
PING		DEPTH	260						
G BACK		TYPE	J-55						
UTING									
ER (Write In) P+B									

PLUGS AND HEADS		PRESSURE	CEMENT LEFT IN CASING FT.
TOM PLUG X TYPE		CIRCULATING Normal	BY REQUEST?
PLUG X TYPE X		MINIMUM	NECESSITY? X
E HEAD		MAXIMUM 300	MEASURED WITH LINE?

SQUEEZE OR PLUG BACK DATA

PURPOSE		DEPTH FROM	TO APPROX.	IN SIZE Casing	Hole	SHOW ON ALL TYPES OF JOBS TIME MIXING	TIME PUMPING
ATER		5800	5735	5 1/2 10.5#	8 3/4	~~10 min~~	~~20 min~~
		5600	5535 - 25	✓ ✓	8 3/4	10 ✓	15 ✓
S		4000	4935 - 25	✓ ✓	8 3/4	10 ✓	15 ✓
		1150	1085 - 25	✓ ✓	8 3/4	10 ✓	10 ✓
ANDON	X	275	210 - 25	✓ ✓	10 3/4 - 32	10 ✓	10 ✓

SERVICE AND RENTAL CHARGES

DEPTH OF JOB 5800 FT.

E REF.				
-10	BASE CHARGE	$	305	00
	ADD'N. CHARGE	$		
	EXTRA TRUCK	$		
	STAND BY TRUCK	$		
R-1	MILEAGE 73 @ .75	$	54	75
		$		
800' Below 5000 @ .228		$	17	60
		$		
	TOTAL CHARGE	$	375	35

MAKE FLOAT EQUIPMENT		OTHER EQUIPMENT	
FLOAT COLLAR	X		
GUIDE SHOE			X
FLOAT SHOE			

CEMENT DATA

BULK? SACKED? ✓ MIXED WT. PER GAL. 15 #

SACKS	TYPE	BRAND	% GEL	OTHER ADMIX
125	REG.	IDEAL		

RUCK	TITLE	NAME	LOCATION	STATE
83	CEMENTER	Don Lowe	VERNAL	UTAH
	DRIVER	Bob Rowland		
	CEMENTER			
	DRIVER			
	CEMENTER			
	DRIVER			

The above job was done and equipment used under the exclusive control, direction and supervision of the owner, operator or his agent whose signature appears below.

S/ C.A. Parkin
OWNER, OPERATOR OR HIS AGENT

The following information is urgently requested in order that we may be fully advised and to enable us to keep our standard of service up to the highest point.

OPERATION OF THE CEMENTING EQUIPMENT SATISFACTORY? YES

WAS THE WORK OF THE CEMENTING CREW PERFORMED IN A SATISFACTORY MANNER?

THE CEMENTING JOB SATISFACTORILY COMPLETED? YES

SUGGESTIONS:

S/ CA Parkin
OWNER, OPERATOR OR HIS AGENT