

1-10-62 KCH Co. had to P+H their well No. Mogui Fed. #1, and because of casing that parted (See File for Mogui Fed #1) and therefore, skidded the rig 15' to the north to drill Well No. Mogui Fed. #1-X.

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief R.L.D.

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 2-5-62

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected 2-30-62

Bond released 24 Feb. 62

State of Fee Land \_\_\_\_\_

LOGS FILED

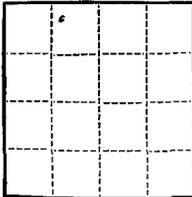
Driller's Log 2-9-62

Electric Logs (No. ) 3

E \_\_\_\_\_ I \_\_\_\_\_ E-I  GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro

Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic  Others \_\_\_\_\_

copy to HC



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**  
Lease No. **U-016940**  
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)

January 5, 1962

**KCL Moqui Federal**  
Well No. **1-X** is located **250** ft. from **N** line and **1888** ft. from **E** line of sec. **33**  
~~SW~~  
**NW/4 NE/4 NW/4 Sec. 33** **T37S** **R15E** **S.L.M.**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

**Kelly bushing**

The elevation of the ~~surface~~ above sea level is **5207** 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)

Est. Formation Tops: **Hermosa - 2100'**, **Paradox - 2900'**, **Leadville - 4000'**,  
**Elbert - 4500'**, **T.D. - 5050'**.

1. Cement 10-3/4" 32.75# casing at 200' with 200 sacks.
2. Test B.O.P.E. and casing with 1000 psi prior to drilling out casing shoe.
3. Air, mist or mud drill 9-7/8" hole or core as directed to total depth 5050<sub>±</sub>.
4. Test all significant shows. Run logs as directed.
5. This well program set up to run 7-5/8" protective casing if required.
6. Completion program to follow.

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

Company **Kern County Land Company**  
Address **415 Petroleum Club Plaza**  
**Farmington, New Mexico**  
Original Signed By  
By **C. J. Eaton**  
Title **District Engineer**

January 10, 1962

**Kern County Land Company  
415 Petroleum Club Plaza  
Farmington, New Mexico**

**Attn: C. F. Eaton, Dist. Eng.**

**Gentlemen:**

This is to acknowledge receipt of your notice of intention to drill Well No. Moqui Federal #1-X, which is to be located 250 feet from the north line and 1888 feet from the west line of Section 33, Township 37 South, Range 15 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

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:avg**

**cc: Jerry W. Long, Dist. Eng.  
U. S. Geological Survey**

**H. L. Coonts - OGCC, Moab**

Copy to HC

R 22


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-016940

Unit \_\_\_\_\_

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 SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

January 17, 1962

Moqui Federal

Well No. 1-X is located 250 ft. from [N] line and 1888 ft. from [W] line of sec. 33

NW/4 NE/4 NW/4 Sec. 33 T37S R15E SLM  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~drill~~ kelly bushing floor above sea level is 5207 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)

- T.D. 213'
- Spudded well at 5:00 a.m., 1-6-62.
  - Ran and cemented 10-3/4" 32.75# casing at 210' KB with 275 sacks of cement treated with 3% CaCl<sub>2</sub>. In place at 5:00 a.m., 1-7-62.
  - Tested B.O.E. and casing with 1000 psi for one half hour, o.k.

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

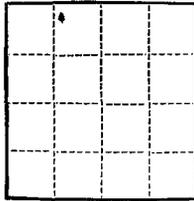
Company KERN COUNTY LAND COMPANY

Address 415 Petroleum Club Plaza  
Farmington, New Mexico

Original Signed By  
By C. J. Eaton  
Title District Engineer

Copy to HC

RLS



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-016940

Unit \_\_\_\_\_

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.....	X		

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

February 5, 1962

Moqui Federal  
Well No. 1-X is located 250 ft. from [N] line and 1888 ft. from [W] line of sec. 33

NW/4 NE/4 NW/4 Sec. 33 T37S R15E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

kelly bushing  
The elevation of the ~~deck floor~~ above sea level is 5207 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)

T.D. 5060'. 10-3/4" at 210'. Log Tops: Hermosa - 2150', Mississippian - 4046', Devonian - 4620'.

Proposed Work:

1. Plug 4150'-4000' with 67 sacks cement.
2. Plug 2200'-2100' with 44 sacks cement.
3. Plug 225'-150' with 33 sacks cement.
4. Plug 10-3/4" surface casing with 10 sacks cement.
5. Install abandonment marker.
6. Leave unplugged portions of hole filled with heavy drilling mud.

(Confirming telephone conversation - Long & Eaton, 2-3-62.)

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

Company KERN COUNTY LAND COMPANY

Address 415 Petroleum Club Plaza  
Farmington, New Mexico

Original Signed By  
By C. J. Eaton  
Title District Engineer

Copy to HC

RLL


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-016940

Unit \_\_\_\_\_

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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)

February 5, 1962

Moqui Federal  
Well No. 1-X is located 250 ft. from N line and 1888 ft. from W line of sec. 33

NW/4 NE/4 NW/4 Sec. 33 T37S R15E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

kelly bushing  
The elevation of the ~~devonian~~ above sea level is 5207 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)

T.D. 5060'. 10-3/4" at 210'. Log Tops: Hermosa - 2150', Mississippian - 4046', Devonian - 4620'.

Work Done:

1. Plugged 4150'-4000' with 67 sacks cement.
2. Plugged 2200'-2100' with 44 sacks cement.
3. Plugged 225'-150' with 33 sacks cement.
4. Plugged surface casing with 10 sacks of cement and installed marker.
5. Well abandoned as of 2-5-62.

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

Company KERN COUNTY LAND COMPANY

Address 415 Petroleum Club Plaza  
Farmington, New Mexico

Original Signed By  
By C. I. Curtin  
Title District Engineer

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER U-016940  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

		X							

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Kern County Land Company Farmington,  
Address 415 Petroleum Club Plaza, New Mexico  
Lessor or Tract Moqui Federal Wildcat State Utah  
Well No. 1-X Sec. 33 T37S R. 15E Meridian SLM County San Juan  
Location 250 ft. S of N. Line and 1888 ft. E of W. Line of Sec. 33 Elevation 5207 KB  
(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.  
Original Signed By E. J. Cantan  
Signed \_\_\_\_\_  
Date Feb. 7, 1962 Title District Engineer

The summary on this page is for the condition of the well at above date.  
Commenced drilling Jan. 6, 1962 Finished drilling Feb. 4, 1962

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 \_\_\_\_\_  
**Water entry at 1367' 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-	
10-3/4"	32.75#	8rd. Thd.	CP&I	197'	Texas Pattern				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	210'	275	Plug	8.5	16.5 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

FOLD MARK

14712

FOLD MARK

casing	where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	210'	275	Plug	8.5	16.5 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 5060 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

DRY HOLE \_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 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**

Louis Wiesman \_\_\_\_\_, Driller Dale Steinbeck \_\_\_\_\_, Driller  
 Walter Bailey \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
D.S.T. #1: 4184'	4310'		Leadville zone
I.S.I. - 30	minutes	Flow - 47	minutes,
F.S.I. - 60	minutes	Had medium	blow,
throughout	test.	Recovered 2200'	of
fresh water,	5000 ppm	NaCl <sub>2</sub> at 60°.	
Pressures at 4307':	I.H.S.P. - 2020psi,		
I.S.I.P. - 1195psi,	I.F.P. - 240psi,		
F.F.P. - 840psi,	F.S.I.P. - 1195psi,		
F.H.S.P. - 2020psi.			
			<b>FORMATION TOPS:</b>
			Chinle - Spud
			Shinarump - 177'
			Moenkope - 232'
			White Rim - 384'
			Organ Rock - 447'
			Cedar Mesa - 744'
			Hermosa - 2150'
			Ismay - 2990'
			Desert Creek - 3185'
			Molas - 3871'
			Leadville - 4046'
			Ouray - 4620'
			Elbert - 4697'
			McCracken - 4953'
			Aneth - 5034' (?)

[OVER]

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.

MOQUI FEDERAL #1

Spudded 12-30-61. Air drilled 13-3/4" hole to 225'. Ran and cemented 10-3/4" 32.75# casing at 220' with 120 sacks of cement, the first 75 sacks were mixed with 4% gel and last 45 sacks were neat. Treated last 100 sacks with 3% CaCl2. Landed casing, tested casing and B.O.P. with 1000psi for 30 minutes, okay.

Air drilled 9-7/8" hole to 575', 10-3/4" casing shoe joint jumped collar at 193' after drill pipe twisted off at 230', 10' below shoe. Recovered drill string fish.

Filled hole with heavy mud containing lost circulation material. Plugged hole above 185' with 35 sacks of cement, and at surface with 10 sacks of cement. Hole abandoned on 1-4-62. Skidded rig 15' North to drill Well #1-X.

MOQUI FEDERAL #1-X

Spudded 1-6-62. Air drilled 13-3/4" hole to 213'. Ran 10-3/4" 32.75# casing to 210'. Circulated hole with gel mud and then followed with 275 sacks of cement treated with 3% CaCl2. Landed casing and tested casing and B.O.P. with 1000psi for 30 minutes, okay.

Air drilled 9-7/8" hole to 1361', converted to mist drilling at this depth when hole got wet and would not dust. Mist drilled using foaming agent and corrosion preventative in injected water (1 gal. foam agent and 1 pint preventative each hour in 4-8 bbls. of water) to a depth of 4140'. Estimated water entry rate was 5-10 bbls. per hour.

Converted to mud at 4140' when Molas shale started heaving into hole. Drilled 9-7/8" hole to 5060' T.D. Had no shows. Ran IES, Gamma Ray-Sonic and Microlog-Caliper logs.

Plugged well as follows: 4150'-4000' with 67 sacks of cement, 2200'-2100' with 44 sacks of cement, 225-150' with 33 sacks of cement, surface with 10 sacks of cement.

Abandoned well on 2-5-62.

1962

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