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OCT 3 1965

HISTORY OF OIL OR GAS WELL
(Submit in duplicate)

STATE DEPT. OF GEOLOGY
& MINERAL INDS.

In compliance with rules and regulations adopted pursuant to ORS 520.095 (Chapter 667 OL 1953)

Operator **Marvin C. Lewis** Field **Holmes Gap**
Well No. **Permit No. 52**, Sec. **31**, T. **6 South** R. **4 West** **W.B. & M.**
Crossley-Jennings lease
Signed *Marvin Lewis*
Date **August 30, 1965** Title **Owner**
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was 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.

Date	Description
<u>1965</u>	
June 8	Mixed mud. Went in hole with bit.
" 9	Came out of hole to repair union on swivel.
" 10	Went in hole 15 stands. Conditioning hole.
" 12	Circulating. Going in hole.
" 13	Locate fish at 2256'.
" 14	Started to come out of hole. Broke drill pipe above rotary. Obtained authority from Mr. Vernon Newton, Jr., State Geological Engineer, to cement 2-7/8" I.D. drill-pipe in hole where it is - 2095'.
" 15	Haliburton pumped 300 sacks cement in hole; cementing tubing from 2095' up to 1200'.
" 16	Cement setting. Conditioning rig.
" 17	" " " "
"	" " " "
July 6	Slumberger take Gamma Ray and Neutron log. Slumberger perforate casing; 43 shots; 1542-1556'.
" 13-15	Swabbing hole; 1542 to 1556'; dead; no gas or oil; very heavy mud.
August 11	Slumberger perforate tubing at 804-812'; 20 shots. Well began flowing gassy salt water at 100 B/D rate.
" 15	Gas analysis by Northwest Natural Gas: Composition - Methane 57% & Nitrogen 43%. Heat value: 580 B.T.U. per cu.ft. Gas burned at end of flow line with an orange-colored flame. Estimated gas flow - 10 M.C.F. per day. Nitrogen believed to be with salt water at 804'. Methane believed to be coming upward from deeper petroleum formation.
" 24	Obtained verbal permission from Mr. Vernon Newton, Jr., State Geological Engineer, for method of plugging well.
" 26	Pumped air into 3-1/2" tubing to see if circulation through perforations at 804' to surface could be established. Salt water flow increased in the line from the annular space between the 3-1/2" and 10-3/4" casings.
" 26	Mixed and pumped 135 sacks cement into the 3-1/2" casing. Salt water flowed strongly from the annular space while cement was being pumped into the hole. Cement was displaced to equalization point with 100 gal. of fresh water. The gassy salt water flow ceased when the cement was in place. Cement plug set at 804-500'. Above witnessed by Mr. Vernon Newton, Jr., Engineer in State Geology Dept.
" 29	Hole filled to surface with drilling mud.
" 30	15' cement plug was put in top of casing. A steel plate was welded over casing stubs.
" 30	Well abandoned.

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Operator Marvin Lewis Field Holmes Gap
Well No. Permit No. 52, Sec. 31, T. 6-South R. 4-West W.B. EX.
Crossley-Jennings lease
Signed *Marvin Lewis*
Date September 10, 1964 Title Owner
(President, Secretary or Agent)

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Date	Description
1963	
May 20 to May 31	Moving to location and rigging up.
June 1 to June 5	Rigging up and repairing-servicing.
June 6	Drill out cap-5' concrete-7-7/8" bit-4W4 Smith
June 7	Drill out concrete plug. Total 125' - 425' to 550'.
June 8	Servicing rig
June 9 to June 25	Down. Waiting for drill pipe from Wyoming.
June 26 to July 5	Circulate mud from well and go down as cleaning out well 3300' - unable to drill bridge as mud not heavy enough.
July 6 to Aug. 23	Down
Aug. 24 to Sept. 3	Obtain Baroid and Aquajell Mixing Mud, with mud weight 82 lbs. to 5 gal. and viscosity 62 sec. 7-7/8" bit. Drill ^{bridge} and go down to clean out well at 3400'. Encounter series of concrete blobs in well. Drill will stop for 10 min. while drilling blobs and then go through.
Sept. 4 to Sept. 6	Drill 25' of concrete plug at 4100'. Concrete in mud returns. Mud floculates. Upon advise of Mr. Vernon Newton obtain barrel of caustic soda to correct flocculation. Go on down to bottom to clean out well. Mud below 4100'. Plug is extremely heavy - 14 lbs. to gal. by scales. Extremely heavy gas blow below 4100' plug, upon bottom gas is burping in range of 6' at rotary table head. 1/2 of shale shaker shows oil while on bottom. Bottom returns are black sand-soft-did not deepen. Total depth 5549'.
Sept. 6 to Sept. 18	Circulating - adding water to cut mud to 9 lbs. to gal.

*This is a re-entry
of the well.*

Form 6-54

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland 1, Oregon

HISTORY OF OIL OR GAS WELL

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Operator Marvin Lewis

Field Holmes Gap

Well No. Permit No. 52

, Sec. 31

, T. 6-South R. 4-West

W. B. EM.

Crossley-Jennings lease

Signed

Marvin Lewis

Date September _____, 1964

Title

Owner

(President, Secretary or Agent)

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Date

1963

Sept. 19

Adding water mud to 9 lbs. to gal. Circulating. Gas burping has increased to 9' range. Gas blows 3' above rotary table in each burp. Bottom caves and all gas burp stops. Circulating stopped. Skimmed a sample of the oil from shale shaker. Pull up 90'-obtain circulation with 3000 lbs. pressure. Rotating and circulating on bottom. Bit will settle 3". Soft Sand. All gas burp and most of oil show in shale shaker has stopped.

Sept. 20

Down

to

Nov. 13

Nov. 13

Mixing mud-to 82lbs. weight per gal. 55 sec. viscosity. Circulating.

to

Nov. 16

Nov. 17

Drill pipe broke while coming out. 2200' of pipe in hole - come out of hole with balance. Down.

to

Nov. 21

Nov. 22

Mixing mud-go in hole with overshot. Circulating-recover fish with overshot. Circulating-coming out of hole. Drill pipe breaks 1200' lower than first break. Come out of hole with recovered pipe and go back in with overshot. Repeatedly broke fish but each time pipe in hole will drop a ways. Cannot get firm hold of pipe. Come out of hole with overshot. While coming out well accidentally blows in at 2045'. Blows gas-oil mud 80' high. Gas ignites from hand warmer beside rig with ball of fire 50' high. Driller pulls up when gas ignites. Fire subsides. No damage. Decide well must be cleaned with bit on bottom of string before overshot can recover 1000' of drill pipe still in hole. Come out of hole and close down.

to

Dec. 7

Dec. 8,

Down.

1963, to

March 6,

1964.

1964

March 7

& March 8

Mix Zeogel mud to 82 lbs. weight-63 sec. viscosity. Go in hole-squeeze well to 1000 lbs. pressure for day. All pressure at top ceases. Well

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Date
1964

shut down.

March 9
to
Aug. 13

Down

Aug. 14

Coming out of hole. Well closed down pending final cleaning out and completing.

Aug. 14
to
Sept. 9

Down.