



00065740

Gilliam

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1

OIL & GAS
CONSERVATION COMMISSIONMarch, 1958

- 6 RUB. Kerr-McGee skidded rig 50' South of original location. New line measurements 2030' SNL and 1980' WEL, SW/4 NE/4, Sec 36-1N-102W, Rio Blanco County, Colo. (Elevations: Grd 5910, HKB 5923, DF 5921).
- 7 Riggging up rotary.
- 8 134 Mixing lost circ mat'l. Spudded 15" surface hole at 6:30 PM. Started losing circ at 126', lost complete at TD. 3/4 deg at 95'.
- 9 161 Running 16" csg. Mixed lost circ mat'l, bridged hole at 120', regained circ, reamed hole to 19" to 134', drld 15" hole to 161', reamed 19" to 161', started running 16" csg. 1-3/4 deg at 118.
- 10 165 Reaming hole to 24". 16" csg would not go below 98', pulled csg & ran 19" reamer to 161', attempted to run 16" csg, no go, pulled csg & reamed 19" hole to 165', ran 24" reamer to 40'. 1-1/4 deg at 150'.
- 11 165 WOC. Reamed 24" hole to 160'. Ran 172' - 16" OD 55# & 40.05# csg, set at 162' HKB, installed a SM basket at 118' on outside csg, cem w/100 sx reg cem, pushed plug to 120' w/DP, ran 1" pipe outside csg to 112', pmpd 25 sx cem, no returns, dumped 1 yd pea gravel & pumped 60 sx cem, no fill up; dumped 1-1/2 yd pea gravel & pmpd 30 sx cem, had 8' fill up; pmpd 50 sx cem, no fill up; dumped 2 yd pea gravel & pumped 50 sx cem, had 25' fill up; dumped 1 yd pea gravel & pmpd 31 sx cem, filled to surface. Job complete at 6 PM.
- 12 366 Drilling shale, WOC 18 hrs, ran DP w/15" bit, hit cem at 90', drld cem to 160', pulled DP, ran DP w/9" bit & resumed drlg, lost circ at 195', drld 10' w/o returns, mixed lost circ material & started getting partial returns at 205', had full returns at 255'.
- 13 992 Drilling shale & small amount sand. Lost circ at 502' mixed lost circ mat'l & regained, lost circ at 552', mixed lost circ mat'l regained full returns, reduced hole size to 7-7/8" at 750'. Will ream 15" to 600' and set 10-3/4" csg. 1/2 deg at 955'.
- 14 1000 Reaming 12-1/4" hole at 448. Drilled 7-7/8" hole to TD 1000', ran reamer.
- 15 TD 1000, WOC. Reamed 15" to 610', ran 590' 10-3/4" 40.5# csg, set at 602' HKB, cem w/4.35 sx reg, plug to 567' at 5:30 PM
- 16 WOC.
- 17 1550 Prep core #1. Ran DP w/7-7/8" bit, press test csg w/500#, 30 mins, held OK, hit cem at 567' & drld out, drld ahead to TD in sand and shale, pulled DP & started in hole w/core bbl. 3/4 deg at 1525.
- 18 1608 Running DST #1 Drld to 1550', pulled DP, ran core bbl, core #1 1550-1553, bbl jammed, rec 1' sand, NS, 2' sh w/sd stringers, NS. Core #2 1553-1559, bbl jammed rec 3' sd w/sh laminated, NS. 3' nd rec, ran core bbl.

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18 Cont'd

19	2466	Core #3 1550-1608 of Morapos. Rec 50', 48' ss, NS; 2' sh, ss streaks, NS, core appears wet. Drilling sand & shale, 1/4 deg 2000. DST #1 Morapos Form, pkr set 1543, TD 1608. Tool open 1 hr, very strong immed blow, decr steadily & died in 55 mins. SI 30 mins. Mes 1122' GC Form wtr, no free gas or oil. IFP 42#, FFP 430#, SIP 430#, HP 708#, 4-1/2" DP, 1" btm & top choke.
20	3405	Drilling sand & shale. 1/2 deg 2466; 1 deg 3050; 1/2 deg 3400.
21	4155	Drilling shale. 1 deg at 3995.
22	4870	Drilling shale.
23	5480	Drilling shale. 1 deg 4980, 1-1/4 deg 5350.
24	5886	Drilling shale. 1-1/4 deg 5794.
25	6060	Drilling shale & sand. 1-1/4 deg 5960.
26	6123	Coring. Drilled to 6087, WH w/core bbl.
27	6149	Coring. Core #4 6087-6131. Mes 43', 38' sand, gas odor throughout; 5' sh, NS. Ran DST #2, dbl pkrs set 6074 & 6080, TD 6131. Tool open 1 hr, strong immed blow, GTS in 15 mins, gas volume meas 62 MCFD after 40 mins, 76 MCFD after 45 mins and remainder test. SI 30 mins for RHP. Recovered 100' GCM, NS oil or water. IFP 25#, FFP 45#, SIP 2215#, HP 3030#, 5/8" top & btm choke, 4-1/2" DP. (Dakota Form). WH w/core bbl at 6131.
28	6173	Pulling core #5. Cut from 6131.
29	6173	NO decision to plug or deepen. Core #5 6131-6173. Rec 41'. 6' ss w/gas odor; 35' sh, NS. Ran Schl ES & ML Schl tops: Mancos 1146, Morapos 1546, Dakota 6080, Morrison 6138.
30	6173	Waiting on orders.
31	6173	Conditioning hole to run casing.

April, 1958

1	6173	WOC. Ran 6206 5-1/2" csg, set at 6172. Cam w/200 sz reg cam. Pumped plug to 6148 at 11:55 PM.
2	6148	GIN w/1-3/4" bit. WOC, ran temp survey, top cam behind 5-1/2" csg 5350.
3	PTD6149	Ran 2-7/8" tubing & 4-3/4" bit, drld cam plug to 6149, tested csg w/1400#, 15 min, OK. Displ mud w/SN.
4		Ran McCullough GN Log, perf csg 6098-6106 w/super jet, 4 holes per ft per SS Log. 6098 SS Log equals 6096 GR Log. Ran 2-7/8" tubing & American Rcr, tubing set 6086, pkr set 6025. Subd SN to 6025, NS gas or oil. Left well open overnight.
5		Halliburton viscfrac, loaded tubing w/35 BO, pumped 5 BO into form at 5 BPM, 4400#, press dropped to 3500#, pumped in 3000 gal diesel oil w/1/2# sd/gal, 3000 gal diesel w/3/4# sd/gal at 3800#, 4000 gal diesel w/1# sd/gal at 4200# press. average injection rate 5.5 BPM. Tubing press dropped to 2000# in 1 hr. 322 BLO to rec. SI 12 hrs overnight.

April, 1951

- 6 PTD 6119 SITP 400%. Opened well, dead. Swbd 11 hrs, rec 66 BLO, gas meas 100,000 cu ft day, SI over night. 25% BLO to recover.
- 7 PTD 6119 Swbg 1/2 BLO per hr, flag dry gas between pulls at rate of 197 MCFD this AM thru open 2-7/8" OD tubing. Swbd 24 hrs, rec 33 BLO and 2 BSWL. 223 BLO to rec. All SW load from tubing & below phr recovered.
- 8 Swbg at 5800 ft. Swbd 7 hrs rec 2 BLO, gal vol meas 113,000 cu ft day. 211 BLO to recover. Pumped 21 BSWL in tubing. Hal phr and 129 bbl SW pld off in annulus. Pulled 2-7/8" tubing, removed phr, reran tubing, set at 6102. Started swbg 4:00 AM this date. Recovered 140 BSWL 6 hrs. 10 BLM to recover.
- 9 Swbg 1/4 bbl LO per hr. Swbd 10 BSWL 9:30 AM to 2:00 PM, 2:00 PM to 7:30 AM 10th, rec 7 BLO, no water; plug swab 1 per hr, gas vol meas as follows:

Time	Vol. Cu. Ft.
1 PM 9th	70,000
2	99,000
3	99,000
4	70,000
5	70,000
6	70,000
7	70,000
9	TSTM
10	70,000
11	70,000
12	70,000
1 AM 10th	TSTM
2	70,000
3	70,000
4	70,000
5	TSTM
6	TSTM
7:30	TSTM

10

214 BLO to recover. All load water recovered. Blowing well. Will stop cock. Swbd & meas gas thru open 2-1/2" tubing as follows: 8:30 AM 10th, TSTM, ran swab, meas 99,000 cu ft day; 9:30 TSTM, ran swab meas 84,000 cu ft; 10:30 TSTM, ran swab meas 70,000 cu ft; 12:00 TSTM, ran swab meas 84,000 cu ft; 1:30 PM TSTM, ran swab, meas 70,000 cu ft; 2:30 TSTM, ran swab, meas 130,000 cu ft; 4:30 Shut in. Total 1-1/2 BLO & 1-1/2 BSWL rec. SI to 5:00 AM 11th, SITP & SICP 775%. Gas measurements as follows this AM thru open 2-1/2" tubing.



April, 1958

10 Cont'd

FTD 6149

Time

Cu. Ft. Day

5:40 AM 11th

1,091,000 Wet

6:00

368,000 Wet

6:15

197,000 Wet

6:30

139,000 Dry

6:45

99,000 Dry

7:00

99,000 Dry

7:15

92,000 Dry

7:30

99,000 Dry

7:45

99,000 Dry

Flwd 4-1/2 BLO & 4-1/2 BML 5:40 to 6:15 AM. 218 BLO to recover.

11, 12 & 13

SI, SITP 1500#, SICP 1420# this AM after 23 hr SI. 11th flwd well 8:00 AM to 1:00 PM thru open 2-1/2" tubing, hrly gas meas: 99,000 cu ft day 1st 2 hrs, 116,000 cu ft next 2 hrs, 113,000 cu ft next 5 hrs, 119,000 cu ft next 2 hrs, pld swab 2 trips, rec 1/2 BLO & 1/2 BML, next 15 min gas meas 340,000 cu ft, decreased to 139,000 cu ft in 1/2 hrs. SI 5 hrs, SITP & SICP 340#, blow well down SI at 8:00 PM for 10 hr press build up as follows:

Time	SITP	SICP
9 PM 11th	175#	205#
10	250#	225#
11	350#	325#
12	400#	400#
1 AM 12th	450#	450#
2	470#	470#
3	600#	510#
4	650#	540#
5	680#	560#
6	820#	680#

Opened well 6:45 AM thru 2-1/2" tubing, gas meas 393,000 cu ft day, decreased to 139,000 cu ft in 2 hrs, SI 2-1/2 hrs to 10:30 AM, SITP & SICP 160#, pld swab 2 trips, rec 1/2 BLO & 1/2 BML. SI 12:00 noon, released rig at 12:00 noon 4-12-58. SI 7 hrs SITP & SICP 550#. Opened well 7:00 PM 12th. Flwd 1/4 BLO & 1/4 BML thru open 2-1/2 tubing, 1st hr gas meas 311,000 cu ft, decreased to 119,000 cu ft in 1-1/2 hr. SI 8:30 PM 12th to 6:30 AM 13th, 10 hrs, SITP 800#, SICP 680#, opened well, blow down, rec 2 BLO, 2 BML, gas meas 273,000 cu ft after 1st hr, decreased to 139,000 cu ft at end of 2 hrs. SI at 8:30 AM 13th to TDRT. SITP & SICP 700# in 8-1/2 hrs. 215 BLO to recover.



Oilman Unit #3

3

5

April, 1958
14

PTD 6149 Plug gas thru open 2-7/8" tubing. After shut in 25-3/4 hrs, SITP 1600#, SICP 1550#, opened well at 10:15 AM 4-14-58, blew down 2-1/2 hrs, rec 5 BLO & 1 BLM during 1st 30 min, well dried up. Hrly gauges as follows:

<u>Time</u>	<u>Cu. Ft. Day</u>
12:45 PM 14th	162,000
1:15	162,000
1:45	149,000
2:15	149,000
2:45	136,000
3:45	136,000
4:45	122,000
5:45	114,000

SI at 5:45 PM 14th, after 12-1/4 hrs SI. SITP 1000# SICP 900#, opened well at 6:00 AM 4-15-58, gas meas as follows thru open 2-7/8" tubing: 7:15 155,000 cu ft, 7:30 136,000 cu ft, 7:45 122,000 cu ft, 8:00 122,000 cu ft day. Rec 3 bbl oil & wtr emulsion first 20 min, well dried up after 1-1/2 hr. 208 BLO to recover.

15

SI. Gas Vol meas 122,000 cu ft day at 9:30 AM 4-15-58, plug thru open 2-7/8" tubing. SI at 9:30 AM, will blow down today.

16

SITP 1100#, SICP 1100# after 12-1/2 hr SI, opened well at 6:30 this AM, blowing down. Opened well thru 2-7/8" tubing after 24 hr SI at 9:30 AM 4-16-58 24 hr press build up TP 1520#, CP 1400#, blow well down 2 hrs, rec 5 BLO 1st 30 min & dried up, gas meas as follows:

<u>Time</u>	<u>Cu. Ft. Day</u>
11:30 AM 16th	143,000
1:00 PM	136,000
2:00 PM	136,000
3:00 PM	136,000
4:00 PM	136,000
5:00 PM	136,000

Shut in at 5:00 PM. 203 BLO to recover.

17

SI 17 hrs, will test today. Blew well down f/6:30 AM to 9:30 AM 17th, rec 3 BLO & dried up, gas meas taken as follows thru open 2-7/8" tubing.

<u>Time</u>	<u>Cu Ft. Gas Day</u>
9:30 AM	143,000
10:30	143,000
12:30 PM	143,000
2:30	143,000

Shut well in at 2:30 PM. 201 BLO to recover.

April, 1958
18 & 19

PTD 6149

SI, SITP 1620#, SICP 1575#, opened well 4:00 PM, 18th, blew well down 15 hrs. through open 2-7/8" tubing, gas meas 136,800 cu ft day at end of 15 hr flow, SI at 7 AM 19th, rec 5 BLO 1st hr. 196 BLO to recover.
PTD 6149. SI..

20 thru 30
May, 1958
1 thru 3
4

SI..
SITP 2000#, SICP 2000# after 15 days SI. Opened well at 9:00 AM, blew down well 30 mins, rec 4 bbl load oil gas vol meas as follows, flow thru open 2-7/8" tubing:

TIME	MGPD	FLUID REC.
10:00 AM	320	Dry
10:30	248	"
11:00	240	"
12:00	229	"
1:00	229	"
2:00	218	"
3:00	208	"
4:00	196	"
5:00	196	"

Shut well in overnight.

Open well at 5 AM. SITP & SICP 1400#, gas meas as follows thru open 2-7/8" tubing:

TIME	MGPD	FLUID REC.
6:00 AM	250	Rec. 5 BLO
7:00	240	Dry

Blew well thru open 2-7/8" tubing 7:00 AM to 12:00 Noon. Hourly meas. taken as follows until 4:00 PM:

TIME	MGPD	FLUID REC.
12:00	170	Dry
1:00 PM	154	"
2:00	154	"
3:00	154	"
4:00	154	"

Shut well in at 4:00 PM. 187 BLO to recover.

SI..

SI. Digging guy line anchors prep MI Well Service Unit, pull casing to P&A.

SI. MI well service rig to pull casing to P&A.

MI R&M well service unit to pull casing to P&A.

Pulling tubing. MI & RU well service unit, killed well w/mud, started plug 2-7/8" tubing at 7 AM..

P&A. Finished pulling 2-7/8" tubing. Set Baker GI Bridge Plug at 6035, dumped 1-1/2 cu con on top plug. Ran Magnetometer, indicated 5-1/2" casing froze at 900. worked casing 7 hrs pulling 125000#, worked

6 thru 12
13

14
15
16

17

PTD 0

Gilliam Unit #3

3

7

May, 1958
17 Cent'd

free to 1280. Cut 5-1/2" casing at 1286 w/McGullough
Jet Cutter, pld 31 jts, 1306 OA. Spd 65 ax cam.
cam, plug at 1400'. WCC 8 hrs, checked top plug
at 1125, spd 35 ax cam, cam 650 to 575, spd 10
ax cam in top surface casing, oriented dry hole
marker. Complete at 9:30 PM..