

30-039-23041

RIM Operating, Inc.

WELL NAME: Schmitz #2 GLP/MV

LOCATION: 1.850 FNL 790 FWL

NESWSW Sec 16, T25N, R37W

COUNTY, STATE: Rio Arriba, NM

FIELD: Opto GLP/DK, Blanco MV

GL: 7.286'

KB: 7.298'

API NO: 30-039-23041

Fed. Lex. No: NM 03556

PBTD: 8.117'

TD: 8.155'

MV: 320 ac.

DK: 320 ac.

GLP: 40 ac.

9-5/8" Surface Casing Landed at 212'

5 jts 9-5/8", 36# J-55 STC

M&P 150 sx 50/50 Poz + 2% CaCl₂ Bumped plug, good returns

2.000' Temperature Svy TOC

3.898' Baker DVT

DK/GLP/MV Comingled 2-3/8" x 2-1/16" TUBING DETAIL AS OF 10/30/1986

Depth	Length	OD	ID	Drift
10.00	10.00	2.375"	1.995"	1.901"
16.00	6.00 2-3/8", 4 7/8" J-55, Red Tubing Sub			
16.00	6.205 85' 215 jts 2-3/8", 4 7/8" J-55, Red Tubing			
4	6.221 85' 1.740 44' 54 jts 2-1/16", 3.25# U, V-55, Tubing	2.063"	1.751"	1.657"
3	7.962 29' 0.80' 2-1/16" Seal Nipple (ID 1.5")	2.100"	1.500"	
2	7.963 09' 22.34' 1 1/2" 2-1/16", 3.25# U, V-55, Tubing			
1	7.986 43' 5.00' 2-1/16", 3.25# U, V-55, Tubing Pup			
	7.991.43' 7.991.43' END OF TUBING			

Mesaverde Interval (5.865' - 6.137' OA) 45, 0.34" Shots

5.865	5.873	5	1 spl	5 shots
5.945	5.951	4	1 spl	4 shots
5.959	5.971	7	1 spl	7 shots
5.997	6.013	9	1 spl	9 shots
6.019	6.031	7	1 spl	7 shots
6.065	6.071	4	1 spl	4 shots
6.096	6.102	4	1 spl	4 shots
6.117	6.123	4	1 spl	4 shots
6.129	6.137	5	1 spl	5 shots
		49		49 shots

100.000# 20/40 2.388 bbls

P(avg) 1,200 psi 72 bpm; ISIP 1,300 psi FG 0.66 psi/ft

10/1/1982 Mesaverde slick KCl water frac

285 bbls BD 2,268 psi

52 bpm; ISIP 1,500 psi

10/1/1982 Mesaverde acid breakdown 75 balls had complete ball off

6.149' Top 4-1/2" Liner

7" Intermediate Casing Landed at 6.300'

3.849 87'	97 jts 7", 20# K-55 STC
2.122 28'	51 jts 7", 23# K-55 STC
351 87'	9 jts 7", 23# N-80 LTC
6.324 02'	157 jts

7" Stage 2: DVT @ 3.898' M&P 500 gal spacer, 150 sx 65/35 Poz + 12% gel Lead M&P 50 sx "B" Neat Tail (392 ft) Bumped plug, no circulation

7" Stage 1: M&P 500 gal spacer, 250 sx 50/50 Poz + 2% gel + 9 pps NaCl @ 14.1 ppg (362 ft) Bumped plug, no circulation

Gallup Interval (7.132' - 7.424' OA) 36, 0.35" Shots

7.132	7.144	3	1 spl	3 shots
7.160	7.174	9	1 spl	9 shots
7.204	7.205	1	1 spl	1 shot
7.243	7.247	2	1 spl	2 shots
7.270	7.281	4	1 spl	4 shots
7.278	7.282	4	1 spl	4 shots
7.290	7.294	4	1 spl	4 shots
7.346	7.394	5	1 spl	5 shots
7.408	7.424	4	1 spl	4 shots
		36		36 shots

122.500# 20/40 2.500 bbls

P(avg) 2,400 psi 64 bpm; ISIP 800 psi FG 0.55 psi/ft

8/19/1982 Gallup slick KCl water frac

448 bbls

P(avg) 2,250 psi 35 bpm

8/19/1982 Gallup acid breakdown

Dakota Interval (8.008' - 8.046' OA) 22, 0.36" Shots

8.008	8.014	6	1 spl	6 shots
8.020	8.022	2	1 spl	2 shots
8.034	8.038	4	1 spl	4 shots
8.034	8.038	5	1 spl	5 shots
8.042	8.043	1	1 spl	1 shot
8.046	8.050	4	1 spl	4 shots
		22		22 shots

90.000# 20/40 2.040 bbls

P(avg) 2,800 psi 35 bpm; ISIP 2,450 psi FG 0.74 psi/ft

8/18/1982 Dakota slick KCl water frac

351 bbls BD 1,650 psi

P(avg) 2,191 psi 12 bpm; ISIP 1,500 psi

8/18/1982 Dakota acid breakdown

4-1/2" Production Liner Landed at 8.159'

1.996 53'	51 jts 4-1/2", 11.6# N-80
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M&P 20 bbl spacer, 375 sx 50/50 Poz + 2% gel @ 13.6 ppg Bumped plug, reversed out 49 sx cement

Prepared by JMM (M&E) Date 12/13/2006

Schmitz 2 DK/GLP/MV WELL HISTORY NESWSW Sec. 16-T25N-R37W Rio Arriba, NM

Drilling

08/02/82: Felix J. Hickman spud 12-1/4" surface hole to 220' Set 5 jts 9-5/8", 36# J-55, STC to 212'

M&P 150 w/2% CaCl₂ with good returns.

08/12/82: TD 8-3/4" intermediate hole at 6.300' (MW: 9.0 ppg). Log and run 157 jts 7" 23# N-80 to 6.300' with

DVT at 3.898' Stage 1: 250 sx (362 ft) 50/50 poz at 14.1 ppg. Stage 2: 150 sx 65/35 poz Lead, 50

ex "B" Neat

Total 392 ft. Temp svy TOC: 2.000'

08/15/82: AIR DRILL out of 7" 6-1/4" production hole

08/17/82: TD AIR DRILLED 6-1/4" production hole at 8.155'. Log well. Ran 51 jts 4-1/2" 11.6# N-80

liner to 8.159' with TOL 6.148' M&P 20 bbl spacer, 375 sx 50/50 Poz + 2% gel @ 13.6 ppg

Bumped plug, reversed out 49 sx cement

DK/GLP Completion No reports

MV Completion

09/30/82: MRU NUBOPE, POOH with 247 jts 2-3/8" tbg. Set 4-1/2" Baker Model "D" at 6.250'

Installed dual tbg hanger. Dump ball 10 gal sand on packer

10/01/82: Port MV with 4" HC guns: 6.129' - 37' (5 shots), 6.117' - 23' (4 shots), 6.096' - 6.102' (4

shots), 6.065' - 71' (4 shots), 6.019' - 31' (7 shots), 5.997' - 6.013' (9 shots), 5.959' - 71' (7 shots), 5.945' -

51' (4 shots), 5.865' - 73' (5 shots). Perform 2,250 gal 7.5% HCl breakdown with 75 ball sealers.

Slickwater frac: 100,000# 20/40 sand in 90,000 gal 1% KCl slickwater. P(avg) 72 bpm; P(avg)

1,200 psi ISIP, vac. Load 2,692 bbls

10/02/82: TH with HCl and 210 jts 2-3/8" to top sand at 6.071' N2 clean out 6.071' - pkr at 6.250'

10/04/82: TH with 2-1/16" x 2-3/8" DK/GLP string. N2 clean out 6.100' - pkr at 6.250'. Push out

plug and TH

10/05/82: Kill casing with 200 bbls KCl water bleeding off gas. No flow on tbg. Land dual tubing

strings as follows:

Gallup/Dakota Long String

10.00'	KB less slackoff
6.00'	2-3/8" Pup
6.236.85'	216 jts 2-3/8", 4 7/8" EUE 8 rd Tubing
3.50'	Model "D" Seal Assembly set in Model "D" at 6.250' with 8K compressor
1.740.44'	54 jts 2-1/16", 3.25# U, V-55 Tubing
0.80'	2-1/16" Seal Nipple (ID 1.50") at 6.002'
32.34'	1 1/2" 2-1/16", 3.25# U, V-55 Tubing
5.00'	2-1/16", 3.25# U, V-55 Tubing pup
8.034.89'	END OF TUBING

Mesaverde Short String

12.00'	K5
5.942.76'	184 jts 2-1/16", 3.25# U, V-55 Tubing
0.80'	2-1/16" Baker "T" Nipple at 5.955'
32.42'	1 1/2" 2-1/16", 3.25# U, V-55 Tubing
5.00'	2-1/16" perforated sub with closed end
5.992.98'	END OF TUBING

Commingled DK/GLP and MV

10/29/82: MRU NUBOPE, TH with MV short string

10/30/82: Pulled 70K to free Dakota LS seal assembly. POOH with DK/GLP tbg. LD seal assembly

and

1 1/2" 2-3/8" Landed tubing as shown in detail

05/10/90: WL set tbg stop and plug at 1,000'. Change out master valve assembly

