

PRIMO#1A.WKI

WELL: PRIMO FEDERAL #1A

LOCATION: 1190' FNL & 1190' FWL

API NUMBER:

3004521827

DATUM - KB

GROUND LEVEL:

5956'

FIELD: PC, CHACRA, MV

SECTION: 6

COUNTY: SAN JUAN

TOWNSHIP: 31 NORTH

STATE: NEW MEXICO

RANGE: 10 WEST

SPUD DATE: 9/4/75

COMPL. DATE: 12/8/75

PBDT: 5082'

TD: 5114'

CASING RECORD

SIZE (INCHES)	GRADE	WEIGHT (#/FT.)	DEPTH (FT)	CEMENT (SKS)	TOC (FT)	HOLE SIZE (INCHES)
10-3/4" O.D.	J-55	32.75	165	125	SURFACE	13-3/4
7" O.D.	J-55	23, 26, & 29	3016	300		8-3/4
4-1/2" O.D.	CW-55	10.50	2801-4631	300	LINER TOP	6
2-7/8" O.D.	N-80	6.70	4560-5109	50	LINER TOP	4-1/2

PERFORATION RECORD

DATE	FORMATION	DENSITY	SHOT	DEPTHS (FEET)
11/19/75	CLIFFHOUSE	1 JSPP		4208-16; 4302-06, 46-50, 82-86; 4430-32, 50-56'
11/3/75	MENEPEE	1 JSPP		4490-96; 4502-14, 29-31, 39-51'
11/2/75	POINT LOOKOUT	1 JSPP		4924-28, 44-56, 71-81; 4986-5000; 5008-20'
11/29/75	CHACRA	1 JSPP		3929-35, 42-46, 52-56, 80-90'
12/2/75	CHACRA "D"	1 JSPP		3444-46, 54-66, 70-86; 3737-39'
12/3/75	PICTURED CLIFF	2 JSPP		2711-23'

CORE INFORMATION - NONE

DATE	FORMATION	DENSITY	SHOT	DEPTHS (FEET) AND RESULTS

CORE INFORMATION - NONE

DATE	FORMATION	DEPTHS (FEET) AND RESULTS

MISC/LANEBOUS

LOGGING INFORMATION

DATE	TYPE	DEPTH (FEET)

SIGNIFICANT PULLING AND WORKOVER HISTORY, STIMULATION, AND SQUEEZE WORK

DATE	
9/4/75	Spud date. Ran 10-3/4" O.D. 32.75# csg to 165' and cemented w/ 125 sks to surface. Set 7" production casing at 3016' with 300 sks cement. Due to water entry above 1632', equae 450 sks cement thru breadhead. Subsequently found hole from 1230-38' and eqzd twice with 225 sks an eke. Afterwards, preesured to 2500 psi and leaked to 900 in 25 minutes. Set 4-1/2" liner from 2801-4631' with 300 sks cmt, circulating 125 sks. Drilled to 5114' TD, and set 2-7/8" O.D. liner from 4560-5109' w/ 50 sks, circulating out 20 sks. Sqzd 2-7/8" liner top with 23 eke, then ran CBL's. Squeezed hole in 7" casing at 1230' with 75 eke cmt at 4000 psi, only getting 5 eke into formation. Spotted 100 gallons 15% HCL across hole, breaking down hole at 4 BPM at 1500 psi. Sqzd with 150 eke cmt, reversing out 30 eke. Ran CBL insai 2-7/8" tubing, indicating excellent bond. Perforated Mesaerde with 1 SPF from 4924-28, 44-56, 71-81; 4986-5000, 5008-20' with 82 - 28 holes. Acidized with 600 gallons w/ 138 balls then fraced with 80000 ga water in 4 stages containing 80000 lbs 100 mesh and 80000 lbs 20/40 sand at 30 BPM and 450 psi. Perforated Mesaerde from 4490-96, 4502-14, 4529-31, 39-51' w/ 1 SPF for a total of 32 holes. Found 7 casing leaking again between 1168 and 1242', and eqzd with 150 eke cmt. After drilling out, preesured up 2100 psi leaking to 900 psi in 15 minutes. Perforated two -1/2" holes at 1492' and eqzd with 150 eke cmt a psi. Preesure tested to 2000 psi OK. Acidized perfs 4490-4551' then fraced in 3 stages using 45000 gallo gelled water containing 31500 lbs 100 mesh and 45000 lbs 20/40 sand at 30 BPM. Perforated Cliffhouses from 4208-16, 4302-06, 46-50, 82-86; 4430-32, 50-56'. Brokedwon with 15% HCL then frace same job as previous job at 24 BPM. Perforated Chacra from 3929-35, 42-46, 52-56, 80-90' with 28 holes Fraced with 30000 gallons gelled water containing 21000 lbs 100 mesh and 30000 lbs 20/40 sand at 25 BP Perforated Chacra "D" section from 3444-46, 54-66, 70-86; 3737-39' and fraced in two stages with 60000 gallons gelled water containing 45000 lbs 100 mesh and 60000 lbs 20/40 sand at 30 BPM. Perforated the Pictured Cliff from 2711-23' w/ 2 SPF. Acidized with 300 gallons 15% HCL then fraced with 20000 gallons gelled water containing 15000 lbs 100 mesh and 20000 lbs 20/40 sand. Ran 2-1/8" O.D. production tubing to 4538' with Loc-Set packer at 4050', 1.43" I.D. "F" nipple 1 joint off btm. Ran "FL" on-off tool followed by Baker Snap-set packer at 2784' and tied onto Loc-set packer. Ran 2-1/8" O.D. short string and latched into snap-set packer. A sliding sleeve and 1.43" I.D. "F" nipple are in SS.

12/19/75 State Deliverability Test:

MV: Flowed 3014 MCFPD at 217 psig FTP. SITP 761 PSIG.

CH: Flowed 3259 MCFPD at 236 psig FTP. SITP 758 psig.

PC: Flowed 2227 MCFPD at 156 psig FCP. SICP 792 psig.