Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side) FOR APPROVED OMB NO. 1004-0137 Expires: December 31,1991

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5. LEASE DESIGNATION AND SERIAL NO. SF-078566

TYPE OF COMMETTON: IN THE OF COMMETTON: WITH OVER DEPTH AND A CONTROL OF THE PARTY OF THE PART	WELL COMPLETION OR RECOM	PLETION REI	PORT A	ND LØG*	6. IF IN	DIAN, ALLUTTE	E OR I RIBE NAMI	•
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3. ADDRESS AND TELEPHONE NO. P. O. Box 800, Deriver, Colorado 80201 (303) 830-6157 10. FELQ AND DODG BY WILL REPORT locations clearly and in accordance with any State requirements)* At surface 1500 * FSL 1830 * FEL At trop prod. interval reported below At total depth At total dept	Z. White of or Electron			, Rm 1295	5C			
P.O. Box 800, Danver, Colorado 80201								
At top prod. interval reported below At total depth 14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH 13. STATE New Mexico 15. DATE SPUDDED 16. DATE TD. REACHED 17. JATE COMPL (Ready to prod.) 17. JATE COUNTY OR PARISH 18. DATE SPUDDED 19. DATE COUNTY OR PARISH 19. DATE COUNTY OR PARISH 19. SECT, R. M. OR BLOCK. AND SURVEY SECTION 19. SECTION	P.O. Box 800, Denver, Colorado 80201				10. FIE	LD AND POOL, G	OR WILDCAT	
14. PERMIT NO. DATE ISSUED 12. COUNTY OR SAIL NEW MEXICO 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DE. RED. RT. (R. ETC.)** 19. ELEV. CASINGIEAD 5/22/84 6/5/84 7/31/95 67/46 GR 67/46 GR 67/34 GR		nce with any State requir	UNIT J		11. SEC	., T., R., M., OR		RVEY
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34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNES APPETED FOR DECORD	FLOW TUBING PRESS CASING PRESSURE CALCULATED		GAS - M	CF.				
To be sold	34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold				TEST WITNES	CCEPTE	D FOR RI	CORD:
35. LIST OF ATTACHMENTS	35. LIST OF ATTACHMENTS					ALIC	0.4.55	
AUG 24 1995		is somelate and	correct as do	termined from	all available rec	ords	2 4 1995	
36. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records	36. I hereby certify that the foregoing and attached inform	4					-08-22-1	995
SIGNED Vally Herson TITLE Sr. Admin. Staff Asst. FARMINGTON DISTRICT OFFICE	SIGNED Yall W. Jeferso					27	DISTRICT O	FFICE
*(See Instructions and Spaces for Additional Data on Reverse Side) *(See Instructions and Spaces for Additional Data on Reverse Side)	*/See Instructions	and Spaces for	Addition	ol Data on	Reverse Sic	6/27		
*(See Instructions and Spaces for Additional Batte of Management of Agency of the United States any false, Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		rean knowingly and w	rrisdiction.		rtment or agenc	y of the Unite	d States any fal	se,

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FORMATION TOP SOTTOM DESCRIPTION CONTENTS, FIC. NAME TOP T	37. SUMMARY OF PORC	OUS ZONES: (Showled, cushion used, ti	all important zones c	37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEOLG	GEOLOGIC MARKERS	
amo 2200' 2330' Sandstone & Siltstone and 2330' 2920' Shale w/siltstone 2920' 3120' Shale, Siltstone, Coal beds & gas 2010' 3675' Shale 3210' 3675' Shale 3210' Sandstone & Siltstone 4780' 4940 Sandstone & Siltstone 2940' 5332' Siltstone & Siltstone 530' 7380' Shale, Sandstone, Siltstone 530' 7380' Shale 530' 7372' Shale 53772' TD Sandstone, Siltstone, Shale & gas	FORMATION	TOP	воттом	CONTENTS,	Z A A A A A A A A A A A A A A A A A A A	TOP	1 1
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Ad Cliffs 3120' 3210' \$andstone \$ 3210' \$hale \$ 3210' \$4780' \$ 4780' \$	Fruitland	2920'	3120'	Siltstone, Coal beds &			
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Lookout 5332' \$11tstone & shale 5340' \$540' \$hale, sandstone, siltstone 5540' \$530' \$hale 6530' \$hale & siltstone 7338' 7372' \$hale 7372' \$andstone, siltstone, shale & gas	Cliffhouse	4780'	4940	δs	Greenhorn	7280'	
Lookout 5332' 5540' Shale, sandstone, siltstone 5540' 6530' Shale 6530' 7280' Shale & siltstone 7338' 7372' Shale 7372' TD Sandstone, siltstone, shale & gas	Menefee	4940'	53321	δ'n			
5540' 6530' Shale & siltstone 5338' 7372' TD Sandstone, siltstone, shale & gas		5332	5540'	sandstone,			
5530' 7280' Shale & siltstone 7338' 7372' Shale 7372' TD Sandstone, siltstone, shale & gas	Mancos	5540"	6530	Shale			
os 7338' 7372' Shale 7372' TD Sandstone, siltstone, shale & gas	Gallup	6530*	7280*	Ø			
7372' TD Sandstone, siltstone, shale & gas	Graneros	73381	7372'	Shale			
	Dakota	7372'	TD	siltstone, shale &			
SCHOOL SHOW THE PROPERTY OF TH						•	

MIRUSU 7/12/95

Ran CBL from 2400'-5650'. Estimated top of cmt @ 5020'. Ran dual spaced neutron log from 5650-4600'

Pressure tested casing to 3500#. Held ok. Perf'd @ 4792' w/2 jspf, .430 inch diameter, 120 degree phasing, 19 grams, total 2 shots fired.

Set a pkr @ 4480' to 4484'. Squeezed perf @ 4792 w/100 sxs Class B cmt with 3# sx gilsonite & 5% Calseal & .3% halad and tailed in which 100sxs Class Be w/5% Calseal & .3% halad 344 and displaced with 2.5 bbls H20. Squeexze pressure 1000#. Avg. rage 2.0 BPM, Max rate 20 BPM.

Release pkr and TIH w/bit and drill collar and drill out squeeze @ 4792' and pressure tst'd to 500#. Held ok. Circ hole w/clean water and TOH w/bit and drill collar. Rig up wireline and ran CBL. No isolation above 4762'. Isolation down to 4809'.

Perf'd @ 4735' w/2jspf, .430 inch diameter, 120 degree phasing, 19 grams, total 2 shots fired.

Squeezed perfs w/100 sxs Class B cmt with 3% halad 34 and 5% Calseal. Max squeeze pressure 1830#. Average rate 2.0 BPM, Maximum rate 2.0 BPM.

TIH and tagged cmt and drilled from 4553'-4823'. Pressure tested squeeze to 800#. Held ok. Circ hole w/clean water. TOH w/bit and scraper and drill collar.

Ran cbl for isolation on Mesaverde (Cliffhouse). Frac top of cmt @ 4685' bottom @ 4808'.

Perf'd: 4740', 4742', 4743', 4786', 4788', 4790', 4792' w/ 1jspf, .450 inch diameter, 120 degree phasing, 19 grams, total 7 shots fired.

Spotted 2 bbls 7% hcl acid from 4792'. Pulled up and set pkr and bull headed 22 bbls of acid into perfs. Displaced acid in @ 2 to 9 bpm. Max press 2860#, Max Rate 9.0 BPM. ISIP 435#.

Frac'd Mesaverde from 4740-4792' w/48,548 lbs of 16/30 sand. Avg rate est. .20 bpm. BH avg tbg press 48333#. Max 7000#.

Flow back frac on 1/4" choke for 8 hrs. Open up to 1/2" choke well died in 30 min. Released pkr and TOH w/frac string. Prep to reperf Mesaverde.

Perf'd: 4740-4748', 4783-4807', 4842-4849', 4870-4873', 5046-5055', w/2jspf, .450 inch diameter, 120 degree phasing, 19 grams, total 102 shots fired.

TIH w/tbg and tagged sand @ 5256'. Circ w/H20 to 6170' and TIH to 6282'. Pull tbg up to 4790' and RU N2 and unloaded hole and rec 180 bbls. SICP 280#. Open well up on 1/2" choke. Well died in 30 minutes.

With tbg @ 4790' RU swab IFL= 1200# made 10 runs, Rec 54 bbls well started to flow for 13 hrs. Rec 4 bbls.

Landed 2.375" tbg @ 4803'. Flowed well overnight. Rec 4 bbls. FTP 3#, SICP 100#, SITP 50#. SIBHP 0#.

Tst'd well for 24 hrs on 32/64" choke for 24 hrs. Receoverd 0 bbls oil, 0 mcf, and 47 bbls water. FTP 0#, Casing pressure 110#.

Storey LS 2A - Recompletion - Page 2

Because well was found to be an uneconomic gas well, well will be used to monitor pressures.

RDMOSU 7/31/95.