	onate District		New Mexico and Natural Resources		Form C-103 May 27, 2004
District I 1625 N. French Dr., Hobbs	NM 88240	83,		WELL API NO.	
District II 1301 W. Grand Ave., Artes	1a NM 88210	OIL CONSER	VATION DIVISION	30-015-35511 5. Indicate Type	of Lease
District III		1220 Sout	20 South St. Francis Dr.		FEE 🗵
1000 Rio Brazos Rd., Azteo District IV	, NM 87410	Santa F	e, NM 87505	6. State Oil & Ga	as Lease No.
1220 S. St. Francis Dr., San		LODO AND DEDODITO ON			T7. 1. A.
		ICES AND REPORTS ON LS TO DRILL OR TO DEEPEN		/ Lease Name o	r Unit Agreement Name
DIFFERENT RESERVOIR	L USE "APPLICA"	South Culebra Bl			
1 Type of Well: Oil	Well [_] Gas	Well Dother Water In	njection	8. Well Number	018
2. Name of Operator Range Operating New	Mexico, Inc.			9. OGRID Numb 227588	oer
3. Address of Operato		10. Pool name or	·Wildcat		
100 Throckmorton S		Loving, Brushy Ca	anyon East		
4 Well Location	and the second s				
Unit Letter E	<u>: 1</u>	883 feet from the No	orth line and 1052	feet from the	he_We <u>st</u> line
Section	23	Township 23S	Range 28E NMI	M Eddy County	
		11. Elevation (Show whe	ther DR. RKB, RT, GR, etc.)		
Pit or Below-grade Tank A	Vesties 🖂 es 6	A Tacana (T)	3030' GR	<u>\</u>	
<b>!</b>			fresh water well Distance	o from populat surfoce we	ntor
	mil mil		ebbls; Const		ILCI
Pit Liner Thickness:					
	12. Checi	Appropriate Box to I	ndicate Nature of Notice	, Report or Other L	Data
NC	TICE OF IN	TENTION TO:	S	UBSEQUENT RI	EPORT OF:
PERFORM REMEDIAL	. WORK 🗌	PLUG AND ABANDON	☐ REMEDIAL WO	RK 🗆	ALTERING CASING
TEMPORARILY ABAN	<del></del>			RILLING OPNS.	P AND A
PULL OR ALTER CAS	ING 🗆	MULTIPLE COMPL	☐ CASING/CEMEN	NT JOB	
OTHER:		П	OTHER:		П
	sed or complete	d operations. (Clearly state	an permient uctans, and give	pertinent dates, includi	ng estimated date of starting an
13. Describe propo			tions: Attach wellbore diagran		
13. Describe propo proposed work	k). SEE RULE 1	103. For Multiple Comple	tions: Attach wellbore diagran	n of proposed complet	ion or recompletion.
13. Describe proposed work 6-12-07 – Spud well @	c). SEE RULE 1 0600 AM 4-21-0	103. For Multiple Comple of and drill to 336'. Hole 1:	tions: Attach wellbore diagram 2.25", Ran 8 jts, 336', 24#, K	n of proposed complet	ion or recompletion.
13. Describe propo proposed work 6-12-07 – Spud well @ w/250 sx Clas 6-13-07 – Test csg 1000	c). SEE RULE 1 0600 AM 4-21-0 ss 'C' + 2% CaC psi for 30 minu	103. For Multiple Comple 17 and drill to 336'. Hole 1: 1 <sub>2</sub> . Circulated 168 sx. ceme tes, OK. WOC 28.5 hrs. Dr	tions: Attach wellbore diagran 2.25", Ran 8 jts, 336', 24#, K nt to surface.	n of proposed complet	ion or recompletion.
13. Describe proportion proposed work  6-12-07 - Spud well @ w/250 sx Clas  6-13-07 - Test csg 1000  6-24-07 - Reached TD 6	c). SEE RULE 1 0600 AM 4-21-0 55 'C' + 2% CaC psi for 30 minut 6-24-07 @ 1900	103. For Multiple Comple 17 and drill to 336'. Hole 1: 1 <sub>2</sub> . Circulated 168 sx. ceme tes, OK. WOC 28.5 hrs. Dr PM. Ran logs. POOH.	tions: Attach wellbore diagran 2.25", Ran 8 jts, 336', 24#, K nt to surface. elg. 7 7/8" hole.	n of proposed complet -55, New LTC, 8.625"	ion or recompletion.
13. Describe proportion proposed work  6-12-07 - Spud well @ w/250 sx Clar  6-13-07 - Test csg 1000  6-24-07 - Reached TD 6  6-25-07 - Ran 150 its, 6	c). SEE RULE 1 0600 AM 4-21-0 ss 'C' + 2% CaC psi for 30 minus 5-24-07 @ 1900 ,464', 15.5#, J-5	103. For Multiple Comple 17 and drill to 336'. Hole 1: 1 <sub>2</sub> . Circulated 168 sx. ceme les, OK. WOC 28.5 hrs. Dr PM. Ran logs. POOH. 5, new LTC, 5.5" csg. Set	tions: Attach wellbore diagran 2.25", Ran 8 jts, 336', 24#, K nt to surface. elg. 7 7/8" hole. csg @ 6464'. Cmt'd w/900 sx	n of proposed complet -55, New LTC, 8.625" t Class 'C' + 5% salt +	ion or recompletion.  csg. Cmt'd same to  0.6% FL-25 + 0.6% FL-52A +
13. Describe proposed work 6-12-07 – Spud well @ w/250 sx Clas 6-13-07 – Test csg 1000 6-24-07 – Reached TD 6 6-25-07 – Ran 150 jts, 6 0.5% BA-10 (	c). SEE RULE 1 0600 AM 4-21-0 ss 'C' + 2% CaC psi for 30 minut 6-24-07 @ 1900 ,464', 15.5#, J-5 100% Excess).	103. For Multiple Comple 17 and drill to 336'. Hole 1: 1 <sub>2</sub> . Circulated 168 sx. ceme les, OK. WOC 28.5 hrs. Dr PM. Ran logs. POOH. 5, new LTC, 5.5" csg. Set	tions: Attach wellbore diagran 2.25", Ran 8 jts, 336', 24#, K nt to surface. elg. 7 7/8" hole. csg @ 6464'. Cmt'd w/900 sx 7 Collar @ 3491' w/1000 sx. C	n of proposed complet -55, New LTC, 8.625" t Class 'C' + 5% salt +	ion or recompletion.  csg. Cmt'd same to  0.6% FL-25 + 0.6% FL-52A +
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Well Name: SCB 23-18

Field: Loving County: Eddy State: New Mexico

07/11/07

**SCB 23-18** 

AFE # 06-04-13-0435

Eddy NM

Day 1

Purpose of Wk: Perf & Acidized. MIRU, standby for wk string and tally. TIH w/ 4-3/4" bit and 6 3-1/2" DC & 101 2-7/8" tbg. TTOC @ 3476'. RU swivel drill out 15' of cement, TDVT @ 3491', DO DVT, LD swivel RIH w/ 31its of 2-7/8" tbg, left btm of bit @ 4512' SWIFN.

Daily Cost \$9,124

Cum Cmpl Cost \$0

Cum Well Cost \$9,124

07/12/07

SCB 23-18

AFE # 06-04-13-0435

Eddy NM

Day 2

Purpose of Wk: Perf & Acidized. RU reverse unit, RIH w/ 58 jts 2-7/8" tbg to 6378' circ hole clean. POOH, LD DC and bit. RIH w/ GR CCL from PBTD to 5500' correlated to GR CCL Baker Atlas Compensated Z Density log-Compensated neutron Gamma Ray Log. Get on depth & Perf intervals 6220'-6210' & 6191' - 6174. POOH w/ tools, PU second set of guns and run in hole, TPBTD pull up and get on depth, perf intervals 6153' - 6141 & 6138 - 6120. POOH, RDWLU. SWIFN.

Daily Cost \$26,999

Cum Cmpl Cost \$9,124

**Cum Well Cost \$36,123** 

07/13/07

**SCB 23-18** 

AFE # 06-04-13-0435

Eddy NM

Day 3

Purpose of Wk: Perf & Acidized. PU P&P RIH to 6252' set plug tst to 3000#, psi bled off. Drop SV tst tbg to 3000# tbg did not hold. POOH to hole in tbg replace bad jt. RIH to 6250' set plug, set pkr @ 6245' and tst to 3000# plug held. PUH w/ pkr to 6205' set pkr. Pmp 500 gals acid to bypass close bypass and switch to wtr over displace by 2 bbls, perf broke @ 1675# @ 7.3 BPM and avg treating psi of 2345#. ISIP vac. Move tools set RBP @ 6205' and pkr @ 6169'. Pmp 850 gals acid to bypass, close bypass, switch to wtr and over displace by 2bbls perf broke @ 1540# and avg treating psi 2490#. ISIP vac. Move tools and set RBP @ 6169 and pkr @ 6100. Pmp 1500 gals acid to bypass close bypass and switch to wtr, over displace by 2bbls, perf broke @ 1430# avg treating psi of 2330#. ISIP vac. RDMO Petroplex. Release pkr and plug and POOH LD. Dropped plug in hole, SWIFN.

**Daily Cost \$16,395** 

Cum Cmpl Cost \$36,123

Cum Well Cost \$52,518

07/14/07

**SCB 23-18** 

AFE # 06-04-13-0435

Eddy NM

Day 4

Purpose of Wk: Perf & Acidized. RIH w/ WS fish RBP POOH LD. SWIFWE.

Daily Cost \$6,154

Cum Cmpl Cost \$52,518

Cum Well Cost \$58,672

07/15/07

**SCB 23-18** 

AFE # 06-04-13-0435

Eddy NM

No wk. SWIFWE.

Daily Cost \$0

Cum Cmpl Cost \$52,518

**Cum Well Cost \$58,672** 

AUG 3 0 2007

Well Name: SCB 23-18

Field: Loving County: Eddy State: New Mexico

07/16/07

**SCB 23-18** 

AFE # 06-04-13-0435

Eddy NM Day 5

<u>Purpose of Wk: Perf & Acidized.</u> Standby waiting for tbg. RIH Lea County Arrowset pkr w/ 1.43 "F" profile nipple on 196 jts 2 3/8 fiber lined tbg. Circ pkr fluid, set Arrowset pkr, and tst

annulus to 500 psi successfully.

Daily Cost \$14,941

Cum Cmpl Cost \$58,672

**Cum Well Cost \$73,613** 

07/17/07

**SCB 23-18** 

AFE # 06-04-13-0435

Day 6

Eddy NM

Purpose of Wk: Tst pkr. NU KT, Tst pkr to 650#, 30 min chart. Held good. ND KT, RDMO. Daily Cost \$2,125 Cum Cmpl Cost \$73,613 Cum Well Cost \$75,738

**FINAL REPORT** 



LEASE SCB
FIELD: Loving East

LOCATION: Sec 23, T23S, R28E

WELL #: 23-18 COUNTY: Eddy

OUNTY: Eddy STATE: New Mexico LEGAL: 1883' FNL & 1052' FWL KB: 3047.4' (KB 17.4')

API#: 30-015-35511

**EXISTING COMPLETION** 8-5/8", 24# w/12-1/4" hole @ 335' cmt w/250 sx Class 'C' & 2% CaCl2. Circulated 168 sx of cement to surface. DV Tooli@ 3,491"; cmt 2nd stage w/1,000 sx 65/35 "C" Poz; 5% gel, 0.3% FL-52A. & 4# GIL (LEAD) & 100 sx Class 'C" neat (TAIL). - Circulated 730 sx back to surface. 2-3/8", 4.7# internally coated (Fiber Lined) injection tubing 5-1/2", 15:5# x 2-3/8", 4.7# Arrowset 1-X int: P.C. pkr @ 6058' w/on-off tool w/ 1 43" I.D. 'F' profile nipple above pkr. 2-3/8" WL entry guide below pkr. EOT 6066', Packer element @ 6062'. 6,120' - 6,138' 6.141' - 6,153' 6,174' - 6,191' Brushy Canyon "C" and "D":(4 JSPF - 0:35" holes) 6,210' - 6,220' 5-1/2" 15.5# w/7-7/8" hole @ 6,464' cmt w/900 sx. PBTD: 6:378' TD: 6,464' WFF - 8/28/07

## Tubing Detail

SCB 23-18 Tbg Detail:	Length (ft)	Depth (ft)
KB 2-3/8" SS x 2-7/8" SS XO 196 Jts. Fiber Lined Tbg, 2-3/8", 4.7#, J-55, 8R, EUE tbg, 1.73 l.D. On-Off Tool w/1.43" ID 'F' Profile Nipple	17.40 0.35 6040.00 0.61	17.40 17.75 6057.75
2-3/8" x 5-1/2" Arrow set 1-X Pkr, Nickle plated w/ Internal Plastic Coating 2 3/8 WL Entry Guide END OF TUBING	7.21 0.40	
Packer Element		6062.00