DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells				
	5.	Lease Number SF-078483A		
1. Type of Well GAS	6.			
	7.	Unit Agreement Name		
2. Name of Operator				
RESOURCES OIL & GAS COMPANY	8.	Allison Unit Well Name & Number Allison Unit #11X		
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	API Well No. 30-045-11346		
4. Location of Well, Footage, Sec., T, R, M	10.	Field and Pool		
917'FNL, 1086'FEL, Sec.23, T-32-N, R-7-W, NMPM	11.	Blanco MV/Basin DK County and State San Juan Co, NM		
Final Abandonment —— Casing Repair —— Water Altering Casing —— Convert —— X Other - Commingle and clean 13. Describe Proposed or Completed Operations It is intended to commingle and clean out the subject we procedure and wellbore diagram. A down-hole commi	an out	o Injection rding to the attached		
with the New Mexico Oil Conservation Division. DECENV DEC 1 0 1996 OIL CON. [DIST. 3		95 DEC -9 FT 3: 55		
14. I hereby certify that the foregoing is true and correct. Signed MALL (KM6) Title Regulatory Admini	strator			
(This space for Federal or State Office use) APPROVED BY CONDITION OF APPROVAL, if any:	Date	PPROVED		

DEC 04 1996
/S/ Duane W. Spencer

WORKOVER PROCEDURE Commingle

ALLISON UNIT #11X

DPNO: 53091A/B Mesa Verde / Dakota 917' FNL, 1086' FEL Sec. 23, T32N, R07W, SJC, NM

- Test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and BROGC safety regulations.
- 2. MIRU daylight PU with air package. Kill well with 2% KCI water. ND wellhead, NU BOP. POOH with 2-3/8" tubing, LD. Locator sub with snaplatch requires 20,000# pull to release. Visually inspect tubing and lay down any corroded joints.
- 3. Deliver 8500' of 2-3/8" 4.7# J55 workstring. RIH with 5-1/2" packer milling and retrieving tool, 4 drill collars, safety joint and 203/8" workstring. Mill over Model F packer. POOH with tubing, milling tools, and packer. RIH and mill over Model D packer, POOH with tools and packer.
- 4. PU 4-3/4" bit and 5-1/2" casing scraper. RIH and tab bottom. If fill covers any perforations then cleanout to PBTD with air. POOH.
- 5. RIH with Sonic Hammer Tool, Baker Injection Control Valve and Baker Rotational Equalizing Valve on 2-3/8" workstring to 8364'. Spot 200 gallons of acid across Dakota perfs. Wash Dakota perfs with 30 gallons of acid per foot while pulling Sonic Hammer across perforations. Pump at 2 BPM.

Dakota Pump Design:

8338' - 8364': 810 gallons 8291' - 8316: 780 gallons

Total Dakota: Approximately 1800 gallons

Dakota Acid Design:

BJ's Super Sol (15%) with:

10 gal/M CI-25 Corrosive Inhibitor
10 gal/M Hy-Temp-0 Intensifier
5 gal/M Ferrotrol-HSA Iron Control
5 gal/M Ferrotrol-300L Iron Control
7 gal/M NE-10 Non-emulsifier

0.5 gal/M Clay Master 5C - Clay Control

6. Pull up to 6068' and spot 200 gallons of acid across perforations. Wash Mesa Verde perfs with 30 gallons of acid per foot while pulling Sonic Hammer across perforations. Pump at 2 BPM.

Mesa Verde Pump Design:

6048' - 6068': 630 gallons 6010' - 6040': 930 gallons

Total Mesa Verde: Approximately 1800 gallons

Mesa Verde Acid Design:

4 gal/M CI-245 Corrosive Inhibitor
0.5 gal/M Clay Master-5C: Clay Control
15 gal/M Ferrotrol-300L, Iron Control
NE-10, Non-emulsifier

- RIH to PBTD, open circulating valve and unload hole with air. POOH laying down workstring.
- 8. Rabbit tubing in derrick. RIH with expendable check, 1 joint 2-3/8" tubing, SN, and 2-3/8" tubing to approximately 8400'. ND BOP, NU wellhead. Pump out expendable check and blow well in. RDMO PU. Turn well to production

		Recommende	d: Zuri Operations E	Midfuff ingineer	11/22/96
		Approval:	Drilling Supe	rintendent	
		Concur :	Production Superintendent		
Contacts:	Operations Engineer	Kevin Midkiff	326-9807 564-1653	Office Pager	
	Production Foreman	Cliff Brock	326-9818 326-8872	Office Pager	

ALLISON UNIT #11X

Recommended Vendors

Service	<u>Vendor</u>	Telephone #			
Stimulation	B. J. Services	505-327-6222			
Sonic Hammer	Fluidic Technology	915-580-0163			

Allison Unit #11X

Current -- 9/20/96

DPNO: 53091A Mesaverde 53091B - Dakota

Unit A, Sec. 23, T32N, R07W, San Juan County, NM

Spud: 6/4/57 Completed: 9/15/57 Elevation: 6819' KB 13-3/8", 54#, Spiral weld csg. set @ 237' 6809' GL Cmt. w/225 sxs. Circulate to surface. Logs: IND, GR Note: Not tbg. for Mesaverde TOC @ 390' (TS) Dakota tbg. - 2-3/8", 4.7#, J55, EUE tbg. set @ 8278' 12 jts. NUE flush jt. on btm, tbg. open ended. DV tool @ 1989 7/57; Sqz. holes in 7-5/8" csg. @ 2500' w/300 sxs Circulate to surface. TOC @ 2455' (Calc. 75% Effic.) .7/57: Sqz. holes in 7-5/8" csg. @ 3650' w/100 sxs Fruitland @ 3225' TOC @ 3460' (Calc. 75% Effic.) Pictured Cliffs @ 3560' 9-5/8", 36#, J55 csg. set @ 3868". 12-1/4" Hole Lewis @ 3842' 1st Stage: 500 sxs - TOC @ 2455' (Calc. 75% Effic.) 2nd Stage: 500 sxs - TOC @ 390' (TS) *Note: Csg. collapsed @ 3661'-3696', milled through. 8-3/4" Hole 7-5/8", 26.4#, J55/N80 csg. set @ 5563* Cmt. w/400 sxs. TOC @ 3460' (TS) Cliffhouse @ 5746' Menefee @ 5785' Point Lookout @ 6000' Mancos @ 6078' Point Lookout perfs @ 6010'-6040', 6048'-6068' - 2 SPF Frac w/66,000 gal. water, 59,000# 20/40 sand. 11/66: Set Baker Model F packer @ 6115' Greenhorn @8105' Baker Model D packer @ 7941' Graneros @ 8158' Dakota @ 8272 Dakota perfs @ 8291'-8316', 8338'-8364' - 4 SPF Frac w/54,000 gl. water, 54,000# 40/60 sd. 6-3/4" Hole 5-1/2", 17#/15.5#, N80/J55 liner set from 5116'-8476' Cmt. w/500 sxs. TOC @ 5116' PBTD @ 8475' TD @ 8503'

WELLNAME:	Allison Unit #	11X			OP NUMBER: PROP. NUMBER:		35091A - MV 007971500 - M		
WELL TYPE:	Blanco Mesav Basin Dakota	verde			ELEVATION:	KB GL	6819' 6809'		
LOCATION	0477 514 400						M∨	DK	
LOCATION:	917 FNI, 108 Unit A, Sec. 2 San Juan Cou	23, T32N, R07W			INITIAL TEST:		5,074	5003	Mcfd
					INITIAL SICP:		1062	2,888	Psig
OWNERSHIP:	GWI: NRI: SJBT:	46.0523%	(RI)		DRILLING:	٦	SPUD DATE: COMPLETED: OTAL DEPTH:	6/4/57 9/15/5 8503	7
CASING RECORD:							PBTD:	8475	
HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	· <u>-</u>	CEMENT		TOC
	13-3/8"	54#	Spiral weld	237'	Casing		225 sxs		Surface
12-1/4" Note: Casing collapsed 3661'-	9-5/8" -3696', milled th	36# hrough.	J55	3868'	Casing - DV tool (@ 1989'	1st Stage: 500 2nd Stage: 500		2500' (TS) 2455' (Calc 75%
8-3/4"	7-5/8*	26.4#	J55/N80	5563'	Casing		400 sxs	343	390' (TS) 3460' (TS)
6-3/4"	5-1/2"	17#/15.5#	N80/J55	5116'-8476'	Liner		500 sxs		5116
	2-3/8"	4.7#	J55, EUE	8278'	Dakota tubing 12 jts. NUE flush	it on btrr	ı., tbg. open endec	I.	
	Baker Model [D packer set @ 79	941'; Baker Mo	del F packer se	t @ 6				
FORMATION TOPS:									
	Fruitland Coal Pictured Cliffs		3225' 3560'		Mancos		6078'		
	Lewis	•	3842'		Greenhorn Graneros		8105' 8158'		
	Cliffhouse		5746		Dakota		8272		
	Menefee Point Lookout		5785' 6000'						
LOGGING:	ND, GR					. ,			
PERFORATIONS	Dakota	8291'-8316', 833	8'-8364' - 4 SI	PF					
	Point Lookout	6010'-6040', 604	8'-6068' - 2 SI	PF					
STIMULATION:	Dakota Point Lookout	Frac w/54,000 ga Frac w/66,000 ga	al. water, 54,0 al. water, 59,0	00# 40/60 sand 00# 20/40 sand	i				
WORKOVER HISTORY:	7/57	Squeeze holes in Perf 7-5/8" casing Set Packer Mode Note: Baker loca	g @ 2500', sq I F packer @ I	ueeze w/300 sx 6115'. Ran 2-3	s. Circulate to surface. /8" tbg. to 8278'				
PRODUCTION HISTORY:		MV	DK		RESERVE INFORMAT	ION:	MV	DK	
Cumulative as of 7/96: Current as of 8/96:		2005 92	6806 44	MMcf Mcfd	Gross EUR Gross Remaining Res	serves	3122 1117	6929 123	MMcf MMcf
PIPELINE:	Williams Field	Service						<u></u>	