Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
AUG 19 1994
OIL CON. DIV.
DIST. 3

Form C-105
Revised 1-1-89

WELL API NO. 30-039-25416

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. E-178-9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. Type of Completion: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name: IRED STATE (14133)

2. Name of Operator: Merrion Oil & Gas Corp. (014634)

8. Well No. 1R

3. Address of Operator: P. O. Box 840, Farmington, NM 87499 (505) 327-9801

9. Pool name or Wildcat: Blanco Mesaverde (72319)

4. Well Location
Unit Letter M : 1050 Feet From The South Line and 790 Feet From The West Line
Section 32 Township 30N Range 7W NMPM Rio Arriba County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
7-1-94	7-9-94	8-17-94	6191' GL	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
5450'	5413' KB			0-5450'	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 4756'-5294 (Cliffhouse-Point Lookout)

20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: Compensated Density; Neutron; Dual Induction

22. Was Well Cored: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32# & 36#	259'	12-1/4"	250 sacks	
7"	23#	3250'	8-3/4"	525 sacks	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	3005'	5450'	325	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	5226'	

26. Perforation record (interval, size, and number)
Pt. Lookout: 5220'-5294' (296 holes - 4 JSPF); Menefee: 5105'-05' (3 holes); 5019'; 4941'; 4927'-33' (4 holes); 4901'-17' (9 holes); 4885'-89' (3 holes); 4863'-69' (4 holes); Lower CH 4812'-4844' (4 JSPF); Upper CH: 4756'-4790' (4 JSPF)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	See attachments

PRODUCTION

28.

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
8-17-94	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8-17-94	1	3/4"		0	414 MCFD	0	---

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
280 psi	550 psi		0	414 MCFD	0	---

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold

Test Witnessed By: Steven S. Dunn

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Steven S. Dunn Printed Name Steven S. Dunn Title Operations Mgr Date 8/18/94

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo 1985"	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland 2139' &T 2737'	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs 2963'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House 4756'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee 4858'	T. Madison
T. Queen	T. Silurian	T. Point Lookout 5220'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos 5358'	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permain	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology

Merrion Oil & Gas Corporation
Wellbore Schematic
Ired State No. 1R

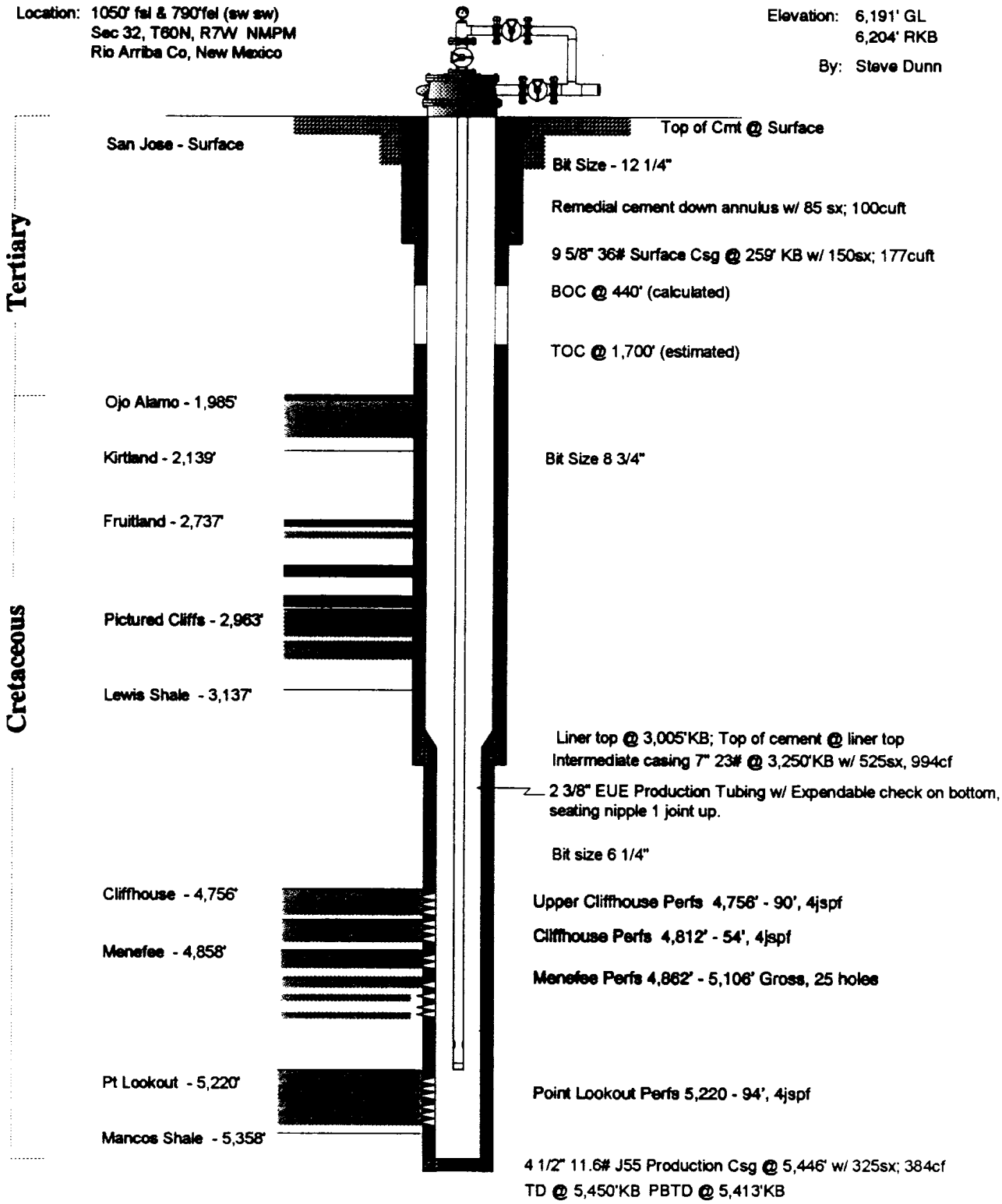
Completed Wellbore Configuration

July 18, 1994

Location: 1050' fsl & 790'fel (sw sw)
Sec 32, T60N, R7W NMPM
Rio Arriba Co, New Mexico

Elevation: 6,191' GL
6,204' RKB

By: Steve Dunn



WELL DATA:

CUM GAS:	CURRENT SICP:	7" 23# Csg: 0.0394 bbl/ft
CUM OIL:	CURRENT SITP:	4 1/2" 11.6# Csg: 0.0155 bbl/ft
SPUD:	LINE PRESSURE:	2 3/8" 4.7# Tbg: 0.00387 bbl/ft
COMPLETED:	GAS TRANSPORTER: El Paso Natural Gas	7" X 2" Annulus: 0.0339 bbl/ft
		4 1/2" X 2" Annulus: 0 0101 bbl/ft

The Western Company — Treatment Report

Date August 1,1994 | District Farmington | F.Receipt 291497 | Operator Merrion Oil & Gas

Lease Ired State | Well No. 1R | Field Blanco | Location SEC.32, T30N, R7W

County Rio Arriba | State NM | Stage Number 1 | This Zone ☐ | This Well ☒

WELL DATA

OG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 5,413' Formation Point Lookout

Tubing Size N/A Wt. ____ Set at: ____ Type Packer N/A Set at ____

Casing Size 7" Wt. 23# Set From SURFACE To 3,250' Liner Size 4 1/2" Wt. 10.5#

Liner Set From 3,005' To 5,450' Open Hole: Size N/A From N/A To N/A

Casing Perforation: Size .35 Holes Per Foot 4 Intervals 5,220'-5,294' 272 Holes

Previous Treatment N/A Prior Production N/A

TREATMENT DATA

Pad Used: Yes ☒ No ☐ Pad Type Slick Water

Treat. Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Vol. 102,270 Gal.

Base Fluid type .75 FR-30 Base Fluid Vol. 102,270 Gal.

Foam Qual. N/A % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty. 101,000 Lbs.

Prop Type: Sand ☒ WP-1 ☐ WP-3 ☐ Baux. ☐ Other ____

Prop Mesh Sizes, Types and Quantities 101,000 20/40 ARIZONA

Hole Loaded With H20 Treat Via: Tubing ☐ Casing ☒ Anul. ☐ Tubing & Anul. ☐

Ball Sealers: N\A In N/A Stages of N/A

Types and Number of Pumps Used 7-1000'S

Auxiliary Materials 90 G. FR-30/102 G. AQUA FLOW/42# FRAC-CIDE 20

PROCEDURE

PUMP 28,098 G. PAD/11,400 1/2#/2,090 G. 1#/11,052 G. 1 1/2#

6,743 G. 1 1/2-1/2#/9,647 G. 1 1/2#/21,261 G. 2#/5,660 G. 2 1/2#

3,292 G. 3#/6,426 G. FLUSH

LIQUIDS/GAS PUMPED AND CAPACITIES IN BBLS.

Tubing Cap.	N/A
Casing Cap.	153
Annular Cap.	N/A
Open Hole Cap.	N/A
Fluid to Load	N/A
Pad Volume	669
Treating Fluid	1613
Flush	153
Over Flush	N/A
Fluid to Recover	2435
Total N2	N/A
Total CO2	N/A

Time AM/PM	Treating Press.-Psi		Surface Slurry bbls Pumped		Slurry Rate BPM	Surface CO2 bbls Pumped		CO2 Rate BPM	Surface N2 MSCF Pumped		N2 Rate SCFM	Comments Safety Meeting/Test Lines
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
AM6:40	0		669	0	70							START PAD
6:51	2960		277	669	81							START 1/2#
6:54	460		52	926	75							START 1#
6:55	450		281	978	80							START 1 1/2#
6:57	50		166	1207	78				LOST	SAND	MASTER	SLOW RATE & SAND
7:03	10		230	1373	16							INCREASE RATE
7:06	2430		552	1603	73							START 2#
7:12	520		150	2155	77							START 2 1/2#
7:14	600		89	2305	77							START 3#
7:15	630		153	2394	76							START FLUSH
7:17	90		0	2547	24							SHUT DOWN

Treating Pressure: Min 200 Max. 3200 Avg. 600 Customer Representative Steve Dunn

Inj. Rate on Treating Fluid 77 Rate on Flush 50 Western Representative J.B. Savage

Avg. Inj. Rate 75 I.S.D.P. 0 Flush Dens. lbs/gal 8.34 Distribution NORMAL

Final Shut-in Pressure 0 In 0 Minutes ____

Operator's Maximum Pressure (psi) 3500

Recommendation ID# FM040087

The Western Company — Treatment Report

Date August 8,1994 | District Farmington | F.Receipt 282987 | Operator Merrion Oil & Gas

Lease Ired State | Well No. 1R | Field Basin | Location SEC.32, T30N, R7W

County Rio Arriba | State NM | Stage Number 3 | This Zone ☐ | This Well ☒

WELL DATA

OG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 5,150' Formation L.Cliffhouse

Tubing Size N/A Wt. _____ Set at: _____ Type Packer N/A Set at _____

Casing Size 7" Wt. 23# Set From SURFACE To 3,150' Liner Size 4 1/2" Wt. 10.5#

Liner Set From 3,005' To 5,450' Open Hole: Size N/A From N/A To N/A

Casing Perforation: Size .35 Holes Per Foot 4 Intervals 4,810'-4,854' 160 Holes

Previous Treatment N/A Prior Production N/A

FLUID SPECIFICATIONS

Pad Used: Yes ☒ No ☐ Pad Type Slick Water

Treat. Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Vol. 41,511 Gal.

Base Fluid type .75 FR-30 Base Fluid Vol. 79,800 Gal.

Foam Qual. N/A % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty. 42,000 Lbs.

Prop Type: Sand ☒ WP-1 ☐ WP-3 ☐ Baux. ☐ Other _____

Prop Mesh Sizes, Types and Quantities 42,000 20/40 ARIZONA

Hole Loaded With H20 Treat Via: Tubing ☐ Casing ☒ Anul. ☐ Tubing & Anul. ☐

Ball Sealers: N\A In N/A Stages of N/A

Types and Number of Pumps Used 7-1000'S

Auxiliary Materials 55 G. FR-30/ 75 G. AQUA FLOW/30# FRAC-CIDE 20

STAGE DESCRIPTION

PUMP 13,062 G. PAD/ 5,380 1/2#/4,018 G. 1#/10,000 G. 1 1/2#

9,051 G. 2# /1,680 G. FLUSH

CALCULATED VOLUMES

Tubing Cap.	N/A
Casing Cap.	148
Annular Cap.	N/A
Open Hole Cap.	N/A
Fluid to Load	43
Pad Volume	311
Treating Fluid	720
Flush	40
Over Flush	N/A
Fluid to Recover	1114
Total N2	N/A
Total CO2	N/A

Time AM/PM	Treating Press.-Psi		Surface Slurry bbls Pumped		Slurry Rate BPM	Surface CO2 bbls Pumped		CO2 Rate BPM	Surface N2 MSCF Pumped		N2 Rate SCFM	Comments Safety Meeting/Test Lines
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
AM9:40	0		311	0	73							START PAD
9:45	2210		131	311	73							START 1/2#
9:48	2020		100	442	73							START 1#
9:50	2020		254	542	73							START 1 1/2#
9:52	2080		235	796	72							START 2#
9:55	3010		40	1031	60							START FLUSH
9:56	4000		0	1054	33.5							SHUT DOWN PRESSURE OUT
9:58	1700		0	1064	0							PUMP IN
9:59	3300		0	1071	4							SHUT DOWN PRESSURE OUT
												5 MINS- 440
												10 MINS- 0

Treating Pressure: Min 1980 Max. 4300 Avg. 2300 Customer Representative A. Moses

Inj. Rate on Treating Fluid 71 Rate on Flush 33 Western Representative J.B. Savage

Avg. Inj. Rate 70 I.S.D.P. _____ Flush Dens. lbs/gal 8.34 Distribution NORMAL

SHUT-IN DATA

Final Shut-in Pressure 0 In 10 Minutes _____

Operator's Maximum Pressure (psi) 3500

Recommendation ID# FM040087

The Western Company — Treatment Report

Date August 1,1994 | District Farmington | F.Receipt 291497 | Operator Merrion Oil & Gas

Lease Ired State | Well No. 1R | Field Blanco | Location SEC.32, T30N, R7W

County Rio Arriba | State NM | Stage Number 2 | This Zone ☐ | This Well ☒

WELL DATA

OG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 5,150' Formation Menefee

Tubing Size N/A Wt. ____ Set at: ____ Type Packer N/A Set at ____

Casing Size 7" Wt. 23# Set From SURFACE To 3,250' Liner Size 4 1/2" Wt. 10.5#

Liner Set From 3,005' To 5,450' Open Hole: Size N/A From N/A To N/A

Casing Perforation: Size .35 Holes Per Foot 2 Intervals 4,863'-5,106' 25 Holes

Previous Treatment N/A Prior Production N/A

TREATMENT DATA

Pad Used: Yes ☒ No ☐ Pad Type Slick Water

Treat. Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Vol. 45,216 Gal.

Base Fluid type .75 FR-30 Base Fluid Vol. 60,480 Gal.

Foam Qual. N/A % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty. 60,400 Lbs.

Prop Type: Sand ☒ WP-1 ☐ WP-3 ☐ Baux. ☐ Other ____

Prop Mesh Sizes, Types and Quantities 60,400 20/40 ARIZONA

Hole Loaded With H20 Treat Via: Tubing ☐ Casing ☒ Anul. ☐ Tubing & Anul. ☐

Ball Sealers: N\A In N/A Stages of N/A

Types and Number of Pumps Used 7-1000'S

Auxiliary Materials 55 G. FR-30/ 50 G. AQUA FLOW/24# FRAC-CIDE 20

PROCEDURE SUMMARY

PUMP 14,406 G. PAD/ 2,751 1/2#/2,290 G. 1#/10,502 G. 1 1/2#

12,133 G. 2# /3,132 G. 2 1/2#/ 6,216 G. FLUSH

LIQUID PHASE CEMENT AND CEMENTING DATA

Tubing Cap.	N/A
Casing Cap.	148
Annular Cap.	N/A
Open Hole Cap.	N/A
Fluid to Load	N/A
Pad Volume	343
Treating Fluid	1412
Flush	148
Over Flush	N/A
Fluid to Recover	1436
Total N2	N/A
Total CO2	N/A

Time AM/PM	Treating Press.-Psi		Surface Slurry bbls Pumped		Slurry Rate BPM	Surface CO2 bbls Pumped		CO2 Rate BPM	Surface N2 MSCF Pumped		N2 Rate SCFM	Comments Safety Meeting/Test Lines
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
18:10PM	0		343	0	50							START PAD
18:16	1600		67	343	50							START 1/2#
18:18	1530		57	410	50							START 1#
18:20	1350		267	467	50							START 1 1/2#
18:25	1550		315	734	50							START 2#
18:31	1850		83	1049	49							START 2 1/2#
18:33	2110		148	1132	49							START FLUSH
18:39	1000		0	1280	12							SHUT DOWN

Treating Pressure: Min 1060 Max. 3300 Avg. 1800 Customer Representative Steve Dunn

Inj. Rate on Treating Fluid 50 Rate on Flush 25 Western Representative J.B. Savage

Avg. Inj. Rate 48 I.S.D.P. 230 Flush Dens. lbs/gal 8.34 Distribution NORMAL

Job Number 201854

Final Shut-in Pressure 0 In 2 Minutes ____

Operator's Maximum Pressure (psi) 3500

Recommendation ID# FM040087

The Western Compa ,—Treatment Report

Date 07-29-94 District FARMINTGON F. Receipt L283053 Operator MERRION OIL & GAS
Lease IRED STATE Well No. 1R Field BLANCO Location SEC 32 T60N R7W
County RIO ARRIBA State NM Stage Number 1 This Zone ☐ This Well ☐

WELL DATA OG☐ NG☐ NO☐ OO☐ WD☐ IW☐ Misc.☐ Depth TD/PB 5413 Formation POINT LOOKOUT
Tubing Size 2 3/8 WT. _____ Set at: 5294 Type Packer _____ Set At _____
Casing Size 7 WT. 23 Set From SURFACE To 3250 Liner Size 4½ Wt. 11.6
Liner Set From 3005 To TD Open Hole: Size _____ From _____ To _____ Casing Perforations: Size 39
Holes Per Foot 4 Intervals 5220-94
Previous Treatment _____ Prior Production _____

TREATMENT DATA Pad Used: Yes☐ No☐ Pad Type _____
Treating Fluid Type: Foam☐ Water☐ Acid☐ Oil☐ Treat. Fluid Vol. 250 Gal.
Base Fluid Type _____ Base Fluid Vol. 882 Gal.
Foam Qual.: _____% Mitchell☐ Slurry☐ Surface☐ Downhole☐ Total Prop Qty. _____ Lbs.
Prop Type: Sand☐ WP-1☐ WP-3☐ Baux.☐ Other _____
Prop Mesh Sizes, Types and Quantities _____
Hole Loaded With 2% KCL Treat Via: Tubing☐ Casing☒ Anul.☐ Tubing & Anul.☐
Ball Sealers: _____ In _____ Stages of _____
Types and Number of Pumps Used 1 ACID PUMP
Auxiliary Materials 250 GALS 15% HCL, 1 GALS I-22, 2 GALS XR2L, 1 GALS AQUAFLOW

PROCEDURE SUMMARY TEST CASING TO 4000, SPOT 250 GALS 15% HCL

LIQUID/GAS PUMPED AND CAPACITIES IN BBLS.
Tubing Cap. 205
Casing Cap. _____
Annular Cap. _____
Open Hole Cap. _____
Fluid to Load 26
Pad Volume _____
Treating Fluid _____
Flush _____
Overflush _____
Fluid to Recover 26
Total N^2 _____
Total CO_2 _____

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLS. Pumped		Slurry Rate BPM	Surface CO_2 BBLS. Pumped		CO_2 Rate BPM	Surface N^2 MSCF Pumped		N^2 Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
2:20	0			0	1							TEST CASING
2:22	4000			3	1							SHUTDOWN
2:45	0			3	3							STRT ACID TO SPOT
2:48	600			8	3							START WATER
2:52	900			26	32							SHUTDOWN

Treating Pressure: Min. 0 Max. 4000 Avg. _____ Customer Representative ALAN MOSES
Inj. Rate on Treating Fluid _____ Rate on Flush _____ Western Representative HARRY MITCHELL
Avg. Inj. Rate _____ I.S.D.P. _____ Flush Dens. lb./gal. _____ Distribution _____
Final Shut-in Pressure _____ in _____ Minutes _____
Operator's Maximum Pressure 4000 PSI

Job Number Recommendation ID # _____

CNA-1218 2/91