

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
**BURLINGTON
RESOURCES**

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1770' FNL, 790' FWL, Sec. 26, T-31-N, R-12-W

5. Lease Number
SF 077652
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
East #10
9. API Well No.
30-045-1035000
10. Field and Pool
Blanco MV/Basin DK
11. County and State
San Juan Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other -pay add & commingle

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde formation of the subject well per attached procedure and wellbore diagram. The well will then be commingled. A down hole commingle order will be applied for.

RECEIVED
JAN 13 1998
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed John D. Spencer (SCOpps) Title Regulatory Admin. Date 12/30/97

(This space for Federal or State Office use)

APPROVED BY 18 Duane W. Spencer Title _____ Date JAN - 9 1998

CONDITION OF APPROVAL, if any:

(E)

AMCO

East #10
Mesa Verde Payadd Procedure
E 26 T31N R12W
San Juan County, NM
Latitude: 36 Deg., 52.35 Min
Longitude: 108 Deg., 4.40 Min.

Summary:

The subject well is a 1998 Mesa Verde payadd in 4-1/2" casing. This well was originally drilled in 1962 and was completed in the Dakota Formation. The East #10 was worked over in 1968 when the well was perforated and fracture stimulated in the Point Lookout interval. A subsequent workover was done in 1970, when a packer was set and 1-1/2" tubing was run. The Cliffhouse interval will not be completed in the subject wellbore due to the Cliffhouse water line is in this general area, which may cause excess water production. The Menefee interval will be added and fracture stimulated in one (1) stage with 81,297 gal of 20# crossed-linked gel and 145,000# 20/40 mesh sand. The well will then be cleaned-up and placed on production.

- Comply to all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. Notify BR regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims. Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
 - Inspect location and wellhead and install rig anchors prior to rig move.
 - Construct blow pit.
1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set seven (7) 400 BBL frac tanks and fill w/ 2% KCL. Blow well down and kill well with 2% KCL water as necessary. ND wellhead and NU 7-1/16" 3M BOP, stripping head and blooie line. Test BOP.
 2. Release Baker Model "D" pkr. by turning 6-8 turns to the right and then straight pull. TOOH w/ approximately 145 jts. 1-1/2" 2.9# EUE 10rd tbg. w/ 2' pup jt. one jt. down**, 6-20' Baker Blast jts., 60 jts. 1-1/2" EUE 10 rd tbg., F Nipple, Baker sliding sleeve, 6' sub, Baker seal assy and Baker Model "D" pkr. Lay down pkr., seal assy, 6' sub, sliding sleeve, F Nipple, and 6-20' blast jt. Stand back remaining tbg. Inspect tbg. and replace bad tbg. as necessary.

****NOTE:** Alert rig crew to ensure slips on rig floor are compatable with the 1-1/2" EUE 10 rd tbg. Change if necessary.
 3. If tbg. appears in good condition, RU wireline company and RIH w/ 4-1/2" gauge ring. If tbg. is scaled up PU 3-7/8" bit and 4-1/2" 11.6# csg. scraper on 2-3/8" 4.7# J-55 workstring and CO to PBTD @ 7150'. TOOH
 4. PU HE milling tool, 8 DC, bumper sub, jars and 2-3/8" EUE 8rd workstring. TIH and millout Baker Model "D" pkr. TOOH w/ pkr., milling tool, 8 DC, bumper sub, jars and workstring. Laydown pkr., 8 DC, bumper sub, jars and milling tool.
 5. RU wireline. RIH and wireline set CIBP @ +/- 6800'. POOH. RIH and wireline set CIBP @ +/- 4700'. Load hole w/ 2% KCL (76 bbl). Pressure test CIBP to 3000 psi with rig pump. Run GRICCL\CNL from 4700' to 3700'.** Send logs to office immediately to evaluate logs to determine correlation of old logs and to supply perforations. POOH

** Correlate to old Induction - Electric log.

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6. RU wireline company to perforate (+/- 4700' - +/- 4400') approximately 22 holes with 3-1/8" HSC gun w/ 12 gram 306T Owens charges, 17.48" penetration and 0.29" perf diameter. (Perforations will be provided after reviewing logs).
7. TIH w/ 4-1/2" fullbore pkr. and approx. 138 jts. **2-7/8" 6.4# N-80 BUTTRESS** frac string and set @ +/- 4300'. RU stimulation company. Hold pre-job safety meeting. Load annulus before breakdown w/ 35 bbl. and keep loaded during frac. Pressure annulus to **500 psi** and monitor annulus pressure during breakdown and frac. Pressure test surface lines to **7000 psi**. Breakdown perforations @ 4 BPM w/ 2% KCL. After perforations breakdown, pump 1000 gal. 15% HCL acid.** Pump acid @ 20-25 BPM. Displace acid w/ 31 bbl. of 2% KCL water to bottom perforation @ 20-25 BPM to ensure all perforations are open. Breakdown to maximum bottomhole pressure of **3500 psi**. Record breakdown pressure and ISIP. Prepare to fracture stimulate. Maximum surface treating pressure is **6000 psi**.

** All acid to contain the following additives/1000 gal.:

2 gal.	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	surfactant
0.5 gal	Clay Master-5C	clay control

8. Fracture stimulate w/ 2% KCL base frac fluid and 20# crossed-linked gel in 2.0 to 5.0 ppg stages @ 30 BPM constant downhole rate with 81,297 gal. of 20# crossed-linked gel and 145,000# 20/40 mesh sand. When sand concentration begins to drop, call flush. Flush to top perf @ +/- 4400'**. Refer to frac schedule enclosed.

****NOTE:** After 75% of flush volume has been pumped (972 gal.), cut rate to 10 BPM. If well goes on a vacuum, shut down. Otherwise, flush to top perf @ +/- 4400'.


9. Shut in frac valve and record ISIP, 5, 10 and 15 shut-in pressure. RD stimulation company.
10. When pressures allow, release pkr. and TOOH laying down **2-7/8" 6.4# N-80 BUTTRESS** frac string.
11. TIH w/ notched collar and 2-3/8" 4.7# J-55 workstring and clean up to CIBP @ +/- 4700' with air/mist. When well is sufficiently clean (less than 1 BWPH), gauge the Menefee interval for one (1) hour. TOOH w/ notched collar and 2-3/8" workstring. Lay down notched collar. Obtain an accurate pitot gauge for the Menefee interval.
12. TIH w/ 3-7/8" bit on 2-3/8" workstring and mill up CIBP @ +/- 4700' with air/mist. Clean up existing Pt. Lookout interval. Obtain an accurate pitot gauge for the Pt. Lookout interval. Record a three (3) hour back pressure test through a test separator w/ 300 psi backpressure. (Gauge will be used for allocation formula in commingling approval.) Mill up CIBP set @ +/- 6800' and CO to PBTD @ 7150'.**

****NOTE:** If tbg. was scaled-up, as indicated in step #2 of procedure, acid wash the existing Point Lookout and Dakota perforations w/ treatment specified by service company.

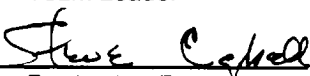
13. TIH with one joint of 1-1/2" EUE 10 rd tbg w/ expendable check, a seating nipple, then the remaining 1-1/2" production tubing. Land tubing @ 6890'.

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14. ND BOP's, NU tbg. hanger on wellhead. Pump off expendable check. Obtain final pitot up tbg. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Approve:  12/10/97
Team Leader

Approve:  12/10/97
Drilling Superintendent

Recommend:  12/9/97
Production Engineer

VENDORS:

Wireline:	Petro Wireline	326-6669
Stimulation:	Halliburton	325-3575
Packer:	Arrow Completion Systems	326-5141
Bridge Plug:	Arrow Completion Systems	326-5141

Steve Campbell	Home 325-8218	Office 326-9546	Pager 564-1902
Bob Goodwin	Home 599-0992	Office 326-9713	Pager 564-7096
Jennifer Dobson	Home 564-3244	Office 326-9708	Pager 324-2461
Mike Pippin	Home 327-4573	Office 326-9848	Pager 324-2559

East #10
Pertinent Data Sheet

Location: 1770' FNL, 790' FWL, Unit E, Section 26, T31N, R12W, San Juan County, New Mexico

Latitude: 36° - 52.35'

Longitude: 108° - 4.40'

Field: Blanco Mesa Verde

Elevation: 6036' GL
6047' KB

TD: 7184'

PBTD: 7150'

Spud Date: 06/25/62

Completed: 07/14/62

DP No: 15400

Lease: NMSF-077652

GWl: 25.00%

NRI: 21.75%

Prop#: 0020261

Initial Potential: 3472 MCF/D - Dakota
3680 MCF/D - Mesaverde

Casing/Liner Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12-1/4"	8-5/8"	24# 8rd J-55	338'	240 sx	Circ. Cmt.
7-7/8"	4-1/2"	11.6# & 9.5# J-55	7183'	510 sx	
		DV tool set @ 5099'		1st stage - 250 sx	5810 (TS)
		1563' of 11.6#		2nd stage - 260 sx	2320 (TS)
		5620' of 9.5#			

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Number of jts.</u>
1-1/2"	2.9#	6890'	205

NOTE:

Baker Model "D" pkr. set @ 6890', Baker seal assy, 6' sub, Baker sliding sleeve, F Nipple, 60 jts. 1-1/2" EUE 10rd tbg, 6 - 20' Baker blast jts., 145 jts. 1-1/2" EUE 10rd tbg. w/ 2' pup jt. one jt. down.

Formation Tops:

	Estimated		
Ojo Alamo	1225'	Menefee	4280'
Fruitland	1987'	Point Lookout	4793'
Pictured Cliffs	2460'	Gallup	6005'
Huerfano Bentonite	3203'	Greenhorn	6804'
Cliffhouse	4040'	Graneros	6870'
		Dakota	6997'

Logging Record: Induction - Electric, GR, Temp., Casing inspection.

Stimulation: 7/30/62 - Perf'd Dakota w/ 4spf. @ 6932'-38', 6948'-53', 7020'-36', 7060'-68', 7088'-96', 7116'-36'. Sand water frac'd w/ 70,000# sand, 75,600 gals. water.

12/20/68 - Perf'd Mesaverde w/ 2 spf. @ 4795'-4870', 4885'-4895'. Frac'd w/ 71,950 gal. water, 50,000# 20/40 sand, 25,000# 10/20 sand.

Workover History: 6/24/70 - Ran Baker Model "D" pkr. @ 6890', baker seal assy, 6' sub, Baker sliding sleeve, F Nipple, 60 jts. 1-1/2" EUE 10rd tbg., 6-20' baker blast jts., 145 jts. 1-1/2" EUE 10 rd tbg. w/ 2' pup jt. one jt. down.

Pipeline: WFS

East #10

Unit E, Section 26, T31N, R12W
San Juan County, NM

Current Schematic

Proposed Schematic

