

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-045-11411 5. Lease Number Fee 6. State Oil&Gas Lease
2. Name of Operator MERIDIAN OIL	7. Lease Name/Unit Name Allison Unit 8. Well No. 1
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Pool Name or Wildcat Basin Fruitland Coal
4. Location of Well, Footage, Sec., T, R, M 1980'FNL, 660'FWL, Sec.17, T-32-N, R-6-W, NMPM, County	10. Elevation:

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☒ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injectio

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to abandon the Dakota and plug this well back to the Fruitland coal, as per the attached procedure.
The well will then be converted to a pressure observation well for the Fruitland coal.

RECEIVED
JUL 25 1994
OIL CON. DIV.
DIST. 3

SIGNATURE *Regina Bradfield* (LWD6) Regulatory Affairs July 22, 1994

(This space for State Use)

Approved by Original Signed by FRANK T. CHAVEZ

Title SUPERVISOR DISTRICT #3

Date JUL 25 1994

PLUG-BACK TO POW PROCEDURE

Allison Unit # 1
Dakota - DPNO 49035A
NW/4 Sec. 17, T32N, R6W
San Juan Co., New Mexico

1. Install and test location rig anchors. Prepare blow pit (for cement washout only).
2. MOL and RU daylight pulling unit. RU atmospheric blow tank. NU relief line to atmospheric tank. Comply to all NMOC, BLM, and MOI regulations. Conduct safety meeting (Daily) for all personnel on location.
3. Blow down well and kill with water as necessary. ND wellhead and NU BOPs. Test operation of BOPs.
4. PU on 2 3/8" and POOH. Run 7", 23 ppf gauge ring to 7900'. PU 7" cement retainer and TIH.
5. **Plug # 1 (Dakota Open-Hole; 7713' to 8085')**: Set 7" cement retainer at 7880'. Establish rate and squeeze Dakota open-hole with 75 sx class B cement. Sting out of retainer. Spot 42 sx cement on top of retainer. Spot drilling mud between Plug # 1 and Plug # 2. Pressure test 7" casing to 500 psi. POOH.
6. **Plug # 2 (Mesaverde; 5385' to 5670')**: Perforate 2 holes at 5670'. PU 7" cement retainer and TIH. Set retainer at 5620'. Establish rate and set plug # 2 w/ 85 sx class B cement outside pipe, and 65 sx inside. Spot drilling mud between Plug # 2 and Plug # 3. Pressure test 7" casing to 500 psi. POOH.
7. **Plug # 3 (10 3/4" Casing Shoe; 3495' to 3595')**: Perforate 2 holes at 3595'. PU 7" cement retainer and TIH. Set retainer at 3495'. Establish rate into perforations. Set Plug # 3 with 50 sx class B cement outside pipe, and 30 sx inside pipe. Spot drilling mud between Plug # 3 and Plug # 4. Pressure test 7" casing to 500 psi and TOH.
8. Perforate 2 holes at 3250'. Establish circulation with the intermediate casing valve open. Circulate 7" by 10 3/4" annulus clean. Shoot collar in 7" casing at \approx 3250'. POOH and LD 7" casing.
9. Run 10 3/4", 40.5 ppf gauge ring to 3225'. PU 10 3/4" CIBP and set at 3200'.
10. Pressure test 10 3/4" casing to 1000 psi. POOH. If casing does not hold pressure, squeeze with cement as necessary.
11. Release rig.
 - * Cement volumes are calculated from 50' above to 50' below formation tops.
 - * Surface plug volume is calculated from 50' below casing shoe to surface.
 - * All cement volumes are calculated with 100% volume excess outside pipe and 50 foot plug length excess inside pipe.
 - * Plugs spotted on top of cement retainers will fill minimum of 50' inside pipe.
 - * Drilling mud will be mixed to 8.4 ppg weight and 40 viscosity.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

PERTINENT DATA SHEET

6/3/94

WELLNAME: Allison Unit POW #1				DP NUMBER: 49035A				
WELL TYPE: Basin Dakota				ELEVATION: GL: 6547' KB: 6558'				
LOCATION: 1980' FNL 660' FWL Sec. 17, T32N, R6W San Juan County, New Mexico				INITIAL POTENTIAL: SICP: 2,897 SITP: 2,869				
OWNERSHIP: GWI: 54.0568% NRI: 46.0523%				DRILLING: SPUD DATE: 07-18-50 COMPLETED: 09-07-50 TOTAL DEPTH: 8660' PBSD: 8084'				
CASING RECORD:								
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>	
19 1/4"	16"	65#	LW	465'	-	500 sx	surface	
13 3/4"	10 3/4"	40.5#	J55	3545'		500 sx	TS 2110'	
9"	7"	23#	N80 & K55	7930'		150 sx	TS 7540'	
Tubing	2 3/8"	4.7#	J55	7956'				
1 jt. tubing, seating nipple @ 7952', 254 jts. tubing (total of 255 jts. tubing)								
FORMATION TOPS:								
Ojo Alamo			2300'		Mancos			5870'
Kirtland			2409'		Greenhorn			7763'
Fruitland			2942'		Graneros			7812'
Pictured Cliffs			3108'		Dakota			7930'
Cliffhouse			5435'		Morrison			8228'
Menefee			5480'					
Point Lookout			5620'					
LOGGING: TS								
PERFORATIONS 7930' – 8084'								
STIMULATION: 14,660 gal oil & 8,800# sand								
WORKOVER HISTORY:								
10/50	Set cement plugs at 7941' – 8041'; and 8560' – 8660'. T&A well.							
6/52	Perf. fruitland @ 3022' – 3028'; 3034' – 3040'; 3053' – 3077'. Acidized w/ 1,000 gal. mud acid. Flow tested well - no gas. POOH w/ tubing & SI well.							
7/54	Clean out to 7930', ran 7" 23#, N80 casing, set @ 7930' w/ 150 sx, TOC @ 7540' (temp. survey).							
8/54	CO to 8485', set cement plug @ 8250' – 8350'. Plug did not setup. Set 2nd plug from 8201' – 8320'. Set hydromite plug from 8084' – 8201'. Stimulate open-hole (7930' – 8084') w/ 14,660 gal. 1% diesel & 8,800# sand. Land 2 3/8" tubing @ 8062'.							
8/62	Pulled stuck tubing, re-ran 2 3/8" tubing set @ 7936'.							
4/88	Recovered sandline stuck in tubing. Landed tubing @ 7956'.							
PRODUCTION HISTORY:								
	<u>Gas</u>	<u>Oil</u>	DATE OF LAST PRODUCTION:		<u>Gas</u>	<u>Oil</u>		
Cumulative as of Mar 94:	2.48 Bcf	0 Bbl	January, 1992		43 Mcf/M	0 Bbl/M		
Current:	0 Mcf	0 Bbl						
PIPELINE: EPNG								

Allison Unit POW #1

CURRENT

Basin Dakota
DPNO 49035A

1980' FNL, 660' FWL,
Section 17, T-32-N, R-6-W, San Juan County, NM

Spud: 07-18-50

Completed : 09-07-50

Ojo Alamo @ 2300'

Kirtland @ 2409'

Fruitland @ 2942'

Pictured Cliffs @ 3108'

Cliffhouse @ 5435'

Menefee @ 5480'

Point Lookout @ 5620'

Mancos @ 5870'

Greenhorn @ 7763'

Graneros @ 7812'

Dakota @ 7930'

Morrison @ 8228'

16" 65# LW, Csg set @ 465'
Circulated 500 sx cmt to surface

TOC @ 2110' (Temp. Surv.)

Perf FTC @ 3022' - 28; 3034' - 40; 3053' - 77'

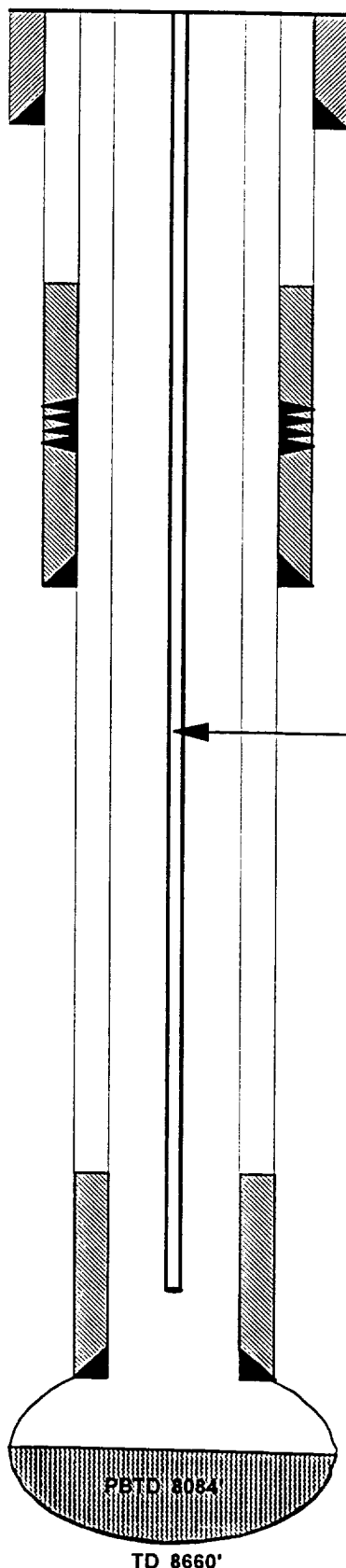
10 3/4", 40.5#, J55 Csg set @ 3545',
circ. 500 sx cmt to 2110 (TS)

2-3/8", 4.7#, J-55, set @ 7956'

TOC @ 7540' (Temp. Surv.)

7", 23#, N80 & K55 Csg set @ 7930',
circ. 5150 sx cmt to 7540 (TS)

Open Hole



PBTD 8084

TD 8660'

Allison Unit POW #1

P & A

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DPNO 49035A

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Section 17, T-32-N, R-6-W, San Juan County, NM

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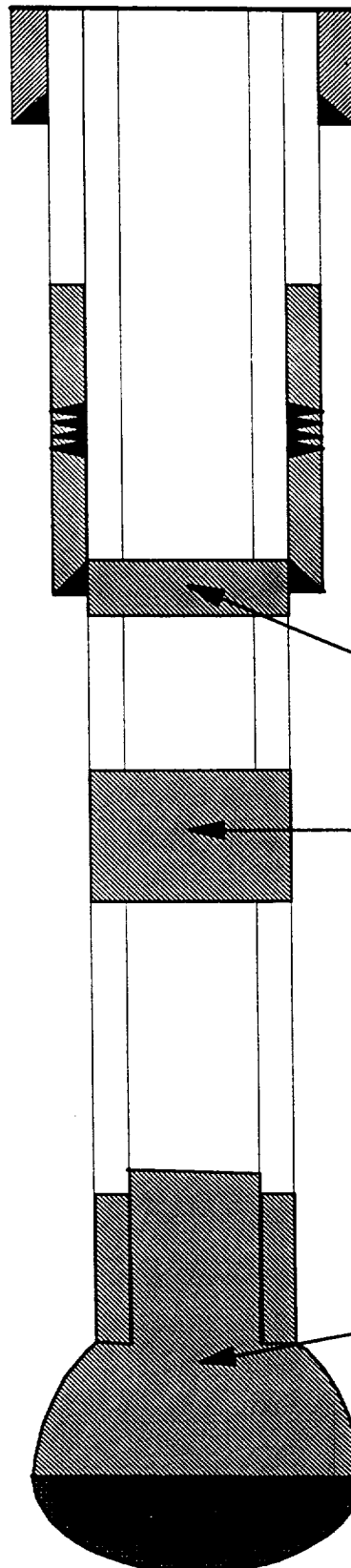
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Cement retainer set @ 3495'

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Cement retainer set @ 5620'

TOC @ 7540' (Temp. Surv.)

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Cement retainer set @ 7713'

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Open Hole

TD 8660'