

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
SOUTHLAND ROYALTY COMPANY
3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700
4. Location of Well, Footage, Sec., T, R, M
800'FNL, 1820'FEL, Sec.11, T-31-N, R-12-W, NMPM
5. Lease Number
SF-077648
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Davis #2A
9. API Well No.
30-045-22266
10. Field and Pool
Blanco Mesaverde
11. County and State
San Juan Co, NM

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

Type of Submission

Type of Action

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other - Pay add | |

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
APR 17 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (TJM4) Title Regulatory Affairs Date 4/5/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

APR 11 1995

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - Davis #2A

Location: 800' FNL, 1820' FEL, Unit B, Section 11, T31N, R12W, San Juan County, New Mexico
Latitude: 36.917938 Longitude: 108.0616 By GITI

Field: Blanco Mesaverde

Elevation: 6292' GR

TD: 5473'

PBTD: 5460'

Completed: 03-23-77

Spud Date: 02-14-77

Meridian W.I.: 25.00 **SJBT:** 75.00

Meridian N.R.I.: 21.75 **SJBT:** 65.25

Initial Potential:

AOF: 6929 MCFD

SICP: 643

SITP: 655

Fed. No: SF-077648

DP No: 11617

Prop. No: 0020263

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	36.0# K-55	217'	190 sxs	Circ/Surface
8 3/4"	7"	20.0# K-55	3121'	170 sxs	TOC @ 1500' TS
6 1/4"	4 1/2"	11.6# K-55	2985'-5471'	245 sxs	4900' 100% Bond.
	4 1/2"	TIW Liner Hanger @ 2985'			Then starts to get bad.
					4300' Free Pipe.

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2 3/8"	4.7# J-55	5399'

Formation Tops:

Ojo Alamo:	1655' Estimate
Fruitland Coal:	2468'
Pictured Cliffs:	2843'
Cliffhouse:	4431'
Menefee:	4695'
Point Lookout:	5111'

Logging Record: GR-IND, CBL, Density, Neutron, Temp. Survey

Stimulation:

Perf: 1 Hole @ 5121', 5134', 5140', 5147', 5153', 5175', 5183', 5187', 5195',
5203', 5210', 5218' & 5225'.
2 Holes @ 5250', 5293' & 5407'.

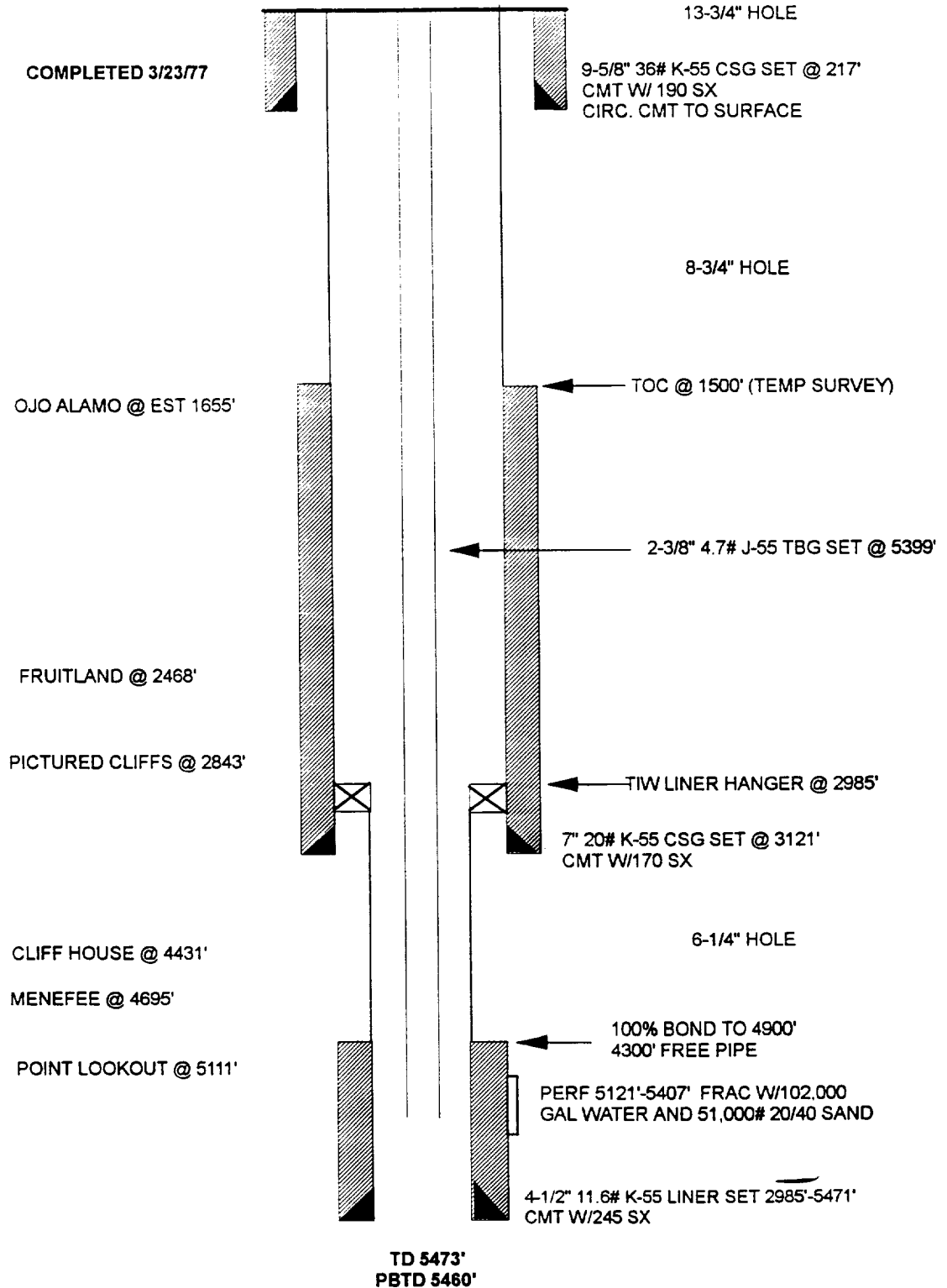
Frac: w/102,000 gallon water & 51,000# 20/40 sand.

Workover History: None

DAVIS #2A

AS OF 3/1/95
BLANCO MESAVERDE

UNIT B SEC 11, T31N, R12W, SAN JUAN COUNTY, NM



Davis #2A
SECTION 11 T31N R12W
Lat - Long by GITI: 36.917938 - 108.0616
Completion Procedure

NOTE: There is a piston in this well.

1. Comply with all BLM, MOI & NMOCD rules & regulations. MOL and RU completion rig. NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Replace all bad valves on the wellhead.
2. Set 11 frac tanks and fill w/ 1% KCL water.
3. Take a pitot gauge. TOH w/ 2-3/8" 4.7#, Tbg set @ 5399'.
4. TIH w/ 4-1/2" 11.6# csg scraper on 2-3/8" tubing to 5400'. TOH.
5. RU wireline company. Set a RBP @ 5080'. Dump sand on top of the RBP.
6. Load the hole and run a CBL from RBP to surface. If TOC is not above 4650' then proceed with step 7 otherwise call the office for further instructions.
7. Perf 2 SQ holes 50' above the TOC in the 4-1/2" casing. TIH w/ 2-3/8" tbg. and fullbore pkr. Set pkr 250' above the perf holes. Squeeze w/ a sufficient amount of cmt to reach 4300' from sqz holes. Over displace the cmt out of the 2-3/8" tbg by 2 bbls. Release packer and pull 2 stands. Reset packer and repressurize the squeeze. Hold pressure on cmt for 4 hrs then open at surface and check for flow. Shut well in until flow ceases. TOH w/ packer.
8. WOC for 12 hrs. TIH and drill out the cmt w/ a 3-7/8" bit. Run a CBL to locate TOC. If TOC is above 4300' then proceed to step 9 otherwise call the office for further instructions.

Menefee

9. TIH w/ 2-3/8" workstring and 4-1/2" packer. Load the hole from bottom. Pressure test the RBP to 3000#. Spot 15% HCL from 5030' to 4600' (~7 bbls). TOH.
10. Perfs (18) are to be shot at the following intervals; top down:
4708', 4770', 4788', 4800', 4808', 4815', 4848', 4854', 4876',
4901', 4934', 4943', 4969', 4973', 5000', 5008', 5012', 5020'.

******* HOLD A SAFETY MEETING W/ ALL PERSONNEL ON LOCATION *******

11. TIH w/ 2-3/8" tbg and a 4-1/2" packer to 4600'. Set Packer.
12. RU Stimulation Crew and balloff the perfs w/ 56 balls and 2000 gals of 15% HCl. Rate for the balloff will be 8 BPM. Max Pressure will be 3000#. A Frac Consultant will need to be present for the balloff and frac job. TIH to knock off the balls and then TOH.
13. TIH w/ 3-1/2" frac string w/ 100' of 2-3/8" tbg & a 4-1/2" packer. Set Packer @ 3050'.
14. RU stimulation company and fracture stimulate the Cliffhouse with the attached procedure. **MAX PRESSURE = 3500#**. This is a dynamic pressure. Hold 500# on the backside during the job. Monitor the backside throughout the job. When stimulation is finished TOH w/ packer and 3-1/2" frac string.
15. RU wireline company. Set RBP @ 4690' w/ a 24 hr pressure bomb attached to the bottom. To read menefee pressure only.

Cliffhouse

16. TIH to 4600' w/ 4-1/2" packer on 2-3/8" tbg. Load the hole and pressure test the RBP to 3000#. Spot 15% HCl acid from 4650' to 4300' (~5.5 bbls). TOH.
17. Perforate the Cliffhouse at the following depths. 20 shots. Top down.
 4407', 4412', 4436', 4448', 4454', 4460', 4466', 4474', 4480',
 4486', 4566', 4594', 4603', 4612', 4620', 4626', 4632', 4638',
 4644', 4650'.
18. TIH w/ 3-1/2" frac string w/ 100' of 2-3/8" tbg & a 4-1/2" packer. Set Packer @ 3050'.
19. RU stimulation company and fracture stimulate the Cliffhouse with the attached procedure. **MAX PRESSURE = 4000#**. This is a dynamic pressure. Hold 500# on the backside during the job. Monitor the backside throughout the job.
20. Flow well back through 3/4" choke at 20 BPM or less if sand production is present.
21. TOH w/ packer once sand and water production are minimal.
22. TIH with retrieving tool on 2-3/8" tubing and CO to bottom perf. When well is clean take a pitot gauge and latch onto the RBP w/ pressure bomb and TOH.
23. TIH with retrieving tool on 2-3/8" tubing and CO to bottom perf. When well is clean take a pitot gauge and latch onto the RBP and TOH.
24. TIH w/ 2-3/8" tbg and 3-7/8" bit and CO to PBTD. When wellbore is sufficiently clean TOH.
25. Call wireline company to run After Frac Gamma-Ray log from 5100' to top of RA material plus 200'.
26. TIH w/ 2-3/8" tbg w/ a standard seating nipple & a pump out plug one joint off bottom. Land tbg at 5400'.
27. ND BOP and NU wellhead. Pump out plug. Take final pressures (Tbg & Csg) and a pitot gauge.
28. Release rig.

Approve: 
 Drilling Superintendent

Recommend: _____
 NW Basin Team Leader

Vendors:

Wireline:		
Stimulation:	Halliburton	325-3575

Contacts:

Production Engineer	Todd J. Mushovic	326-9584(W) 324-0692(H)
Frac Consultant	Mark Byars	320-0349(M) 327-0096(H) 327-8470(Pager)
	Mike Martinez	860-7518(M) 599-7429(Pager) 326-4861(H)