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)
30-045-29171

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
MERIDIAN OIL

7. **Lease Name/Unit Name**
Allison Unit Inj

8. **Well No.**
141

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**
1070'FSL, 800'FEL, Sec.24, T-32-N, R-7-W, NMPM, San Juan County

10. **Elevation:**

Type of Submission	**Type of Action**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Repair	

13. **Describe Proposed or Completed Operations**

EMERGENCY CO2 INJECTION WELL REPAIR

It is intended to pull the 2 7/8" fiberglass tubing to repair a leak in the subject CO2 injection well. The leak will be pressure tested on surface and the tubing will be re-run according to the attached procedure and wellbore diagram.

RECEIVED
MAR 13 1995
OIL CON. DIV.
DIST. 3

SIGNATURE [signature] (JAS6) Regulatory Affairs March 9, 1995

(This space for State Use)
Approved by [signature] Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date MAR 13 1995

Notify in time to witness

Allison Unit Injection #141
Section 24, T32N, R07W
San Juan County, NM
CO2 Injection Well Workover Procedure

Purpose: **To locate leak in tubing, XO sub or seals by pulling tubing, pressure test downhole equipment on surface and rerunning assembly.**

☎ **Contact BLM and NMOCD prior to performing work on this well and prior to pressure tests.** ☎
Comply with all BLM, NMOCD, and MOI rules and regulations.

Call STAR Fiberglass for a Field Representative to be on location prior to releasing seal assembly.

1. MIRU. Place fire and safety equipment in strategic locations.

2. Call for 5 jts of STAR-2000 fiberglass tbg (MOI yard), 1 bucket of TF-15 Jet Lube, 2-strap and 2-friction wrenches (Bovaird) and fiberglass tbg elevators (one size larger or 3-1/2"). Spot two clean inspected frac tanks. Fill one w/ 2% KCL water and leave the other one for well bore flowback.

3. Open tubing and casing valves to ensure there is no trapped pressure. ND wellhead. NU BOP, blooie line, and relief line to frac tank and test. Check operation of 2-7/8" pipe and blind rams.

   Note: A blanking plug is set in the tail pipe R-Nipple @3081'. This plug confines and isolates the wellbore pressure to below the packer. This plug will remain in the tailpipe until completion of workover.

4. Unscrew lockdowns. PU an 8-rd pup joint-2-7/8" and pull donut (Note: tubing is landed in 4,000# tension). Tensile rating of fiberglass tubing is 18,000# (100%, see attached spec. sheet). Under supervision of STAR and Baker Packer rep., slack off to put tbg in neutral at packer. Right hand release Anchor Snap Latch assembly. PU approximately 5' above the packer and reverse out approx 50 bbls of packer fluid to frac tank.

   Note: STAR Fiberglass Service Rep. must be on location prior to pulling tbg in order to maintain warranty.

5. Refer to attached pages 1, 2, 3 and 15 thru 20 prior to pulling tubing from well. TOOH w/ seal assembly and tubing using friction wrenches. Stand back fiberglass tubing with thread protectors according to attached STAR specifications. See step 6.

6. Do not breakout the last fiberglass joint of tubing that is made up to the 2-7/8" by 2-3/8" crossover, the 8' metal pup joint, the seating nipple or the seal assembly. Visually inspect for leaks. Break out mule-shoe on bottom of seal assembly. Make up bull plug on bottom. Fill assembly up with water. RU test pump and pressure up assembly to locate leak (max pressure 1000 psi). Locate leak and repair/tighten.

7. Replace Nitrile Seals on seal assembly and mule shoe bottom. Sting seal assembly into packer and Snap Latch in. Fill assembly with water and pressure test with hand pump to 2000 psi for 1 hour. Release pressure.

8. Become familiar with attached pages 1, 2, 3 and 15 thru 20 prior to running tubing back in well. Assembly should be run in exact order as pulled from well, including pup joints. TIH w/ 2-7/8" STAR 2000 Fiberglass tubing and equipment configured as follows:

   BOTTOM FIRST
   a) Locator Seal Assembly w/ 2-Bonded Nitrile Seals (mule shoe on bottom)
   b) Anchor Snap Latch Assembly
   c) (1) 2-3/8" Stainless 1.87" F-Nipple
   d) (1) 8' 2-3/8" Nickel Coated tubing sub
   e) (1) 2-7/8" Box by 2-3/8" Pin Nickel Coated XO sub
   f) (101 jts) 2-7/8" STAR 200 Fiberglass tubing (150-250 ft/lbs torque or 0 to 4 thread standoff)
   g) (4 jts) 2-7/8" STAR 200 Fiberglass pup joints
   h) (1 jt) 2-7/8" STAR 200 Fiberglass tubing

   Note: Do not use pipe wrench or power tongs on tbg. Refer to attached STAR Fiberglass tubing Specification Sheet and Installation Check List.

9. Approximately 5' above packer (packer @ 3050'), pump 46 Bbls of 2% KCL packer fluid w/ 2% TECHNI-HIB 606 down tubing. Followed with 16 Bbl of 2% KCL. Land tbg w/ approximately 4000# tension as before. Space out calculation should double checked and confirmed with STAR Service Rep.

10. Pressure test tbg, seal assembly and pkr to 2000 psi for 1 hour with an accurate chart recorder. **Record Pressure Test on chart. Label test date, time, section tested and deliver to James Smith-MOI for State file documentation.**

11. ND BOP. NU wellhead. Again, pressure test tbg, seal assembly, packer and wellhead to 2000 psi for 1 hour. **Record Pressure Test on chart. Label test date, time, section tested and deliver to James Smith-MOI for State file documentation.**

12. RU slick line. Remove plug in R-nipple @ 3081'. Flow back approximately 20 Bbls water and obtain 1 hour gauge. Swab if needed. (Use undersize swab cups, tubing ID is 2.36", See Fiberglass Tubing Specification Sheet).

13. Release rig.

Approve:

Drilling Superintendent

James A. Smith
Project Engineer

Vendors:

Packer	Baker	(325-0216)
Pipe Dope/Wrenches	Bovaird	(325-7545)
Slickline	Tefteller	(325-1731)
Fiberglass Rep	STAR	(Office 915/684-6559) Morris McEwen (Home)(806/745-6308)
Packer Fluid	Western Unichem	(327-7775)

DBJ
CDB
JAS Production Engineer: Jimmy Smith (H) 327-3061 (W) 326-9713

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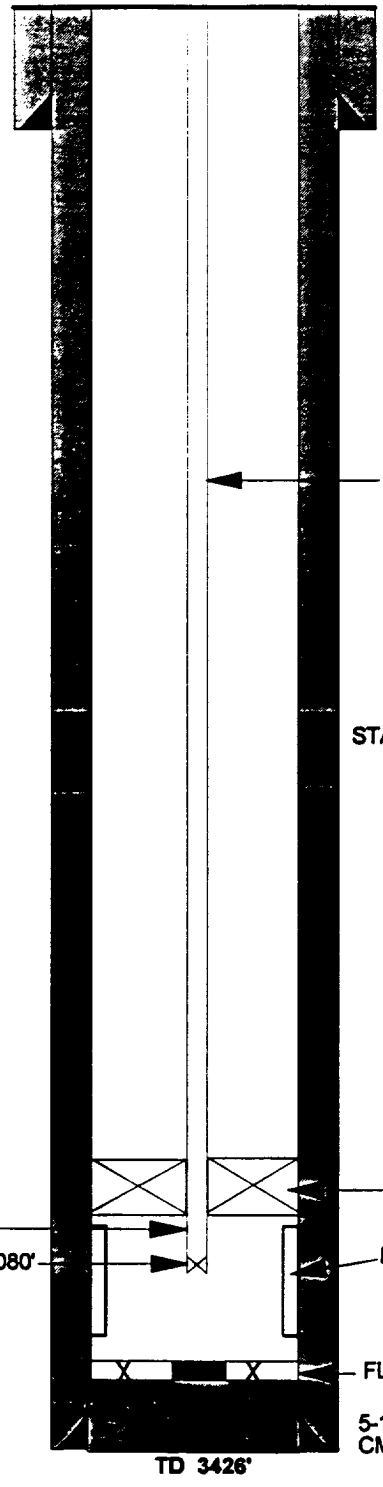
ALLISON UNIT #141 (CO2 INJECTION WELL)

CURRENT

BASIN FRUITLAND COAL

1070' FSL & 800' FEL, SEC. 24, T32N, R7W, SAN JUAN COUNTY, NM



Pertinent Data Sheet -
Allison Unit #141 (CO2 INJECTION WELL)

Location: 1070 ' F S L, 800 ' F E L, Section 24 , T- 32 -N, R- 7 -W, San Juan County, NM

Field: Basin Fruitland Coal **Elevation:** GL **TD:** 3426'
PBTD: 3380'

GWI: %
NRI: %

Completion Date: 11/17/94 **DP Number:** 57319A

Initial Potential: NA

Casing Record:

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	Cement Top
12-3/4"	8-5/8"	24# K-55	382'	387 sx	Surface
7-7/8"	5-1/2"	15.5# K-55	3426'	700 sx	Surface
	Float Collar		3380'		
	Stage Tool		2817'		

Liner Record:

Hole Size	Liner Size	Weight & Grade	Depth Set	Cement	Cement Top
NA					

Tubing Record:

Tubing Size	Weight & Grade	Depth Set	
2-7/8"	1.77#/FT - 2000 STAR FIBERGLASS	3050'	(102 JTS + 4 PUPS)
	Baker Model "DB" Packer set @ 3050'		

Formation Tops:

Ojo Alamo	2262'
Kirtland	2385'
Fruitland	2991'
Pictured Cliffs	3354'

Logging Record:
GR, CNL, LDT, DIL, ML, CBL

Stimulation:
Perfs @ 3090' - 3138' SAPP perforations w/ 15% HCL

Workover History:

Production History:

Initial Deliverability	NA	MCFD	BOPD
Latest Deliverability	NA	MCFD	BOPD

Transporter:
NA