SF

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

WELL API NO.

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

6. State Oil & Gas Lease No.
L-6654

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

RECEIVED
MAY 29 '90
O. C. D.
ARTESIA, OFFICE

7. Lease Name or Unit Agreement Name
State "19" Com.

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

2. Name of Operator
Southland Royalty Company

8. Well No.
2

3. Address of Operator
21 Desta Dr., Midland, TX 79705

9. Pool name or Wildcat
South Millman (Morrow)

4. Well Location
Unit Letter N : 860 Feet From The South Line and 2057 Feet From The West Line

Section 19 Township 19 South Range 28 East NMPM Eddy County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)*
3493'GR.

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]		CASING TEST AND CEMENT JOB [ ]	
OTHER: Add Perforations in the Upper Morrow [X]		OTHER: [ ]	

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Set CIBP @10,720' & bail 35' of cement on top. Add perforations in upper Morrow according to the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert L. Bradshaw TITLE Sr. Staff Env./Reg. Specialist DATE 24 May 1990

TYPE OR PRINT NAME Robert L. Bradshaw TELEPHONE NO. 915-686-5678

(This space for State Use)

APPROVED BY [signature] TITLE SUPERVISOR, DISTRICT II DATE MAY 31 1990

CONDITIONS OF APPROVAL, IF ANY:

State 19 Com. #2
Millman Morrow, South
Eddy County, New Mexico

Project Engineer: K. L. Midkiff

Office: (915) 686-5714
Residence: (915) 686-8650

Procedure

1. MIRU PU on Empire 16 St. Com. #1. Release Guiberson UNI-VI packer and POOH. Lay down 315 joints of Hydril 563 tubing. Transport tubing to State 19 Com. #2. Send packer in for re-dressing. Redress packer as 10000 psi rated packer and use in State 19 Com. #2. Also transport sufficient Hydril 563 tubing from Artesia yard to State 19 #2 to finish string.

2. RU wireline on Empire 16. Set CIBP at ±10050'. Load hole with packer fluid (fresh water with 10 gal/1000 gal Tretolite KW-170). NU wellhead with pressure gauge. RD wireline and PU.

3. MIRU PU on State 19 Com. #2. Kill well. ND wellhead, NU BOP. Have water on hand to kill well if it starts gassing (bad H2S). Pull standing valve (fishing neck is 1" rod). Release Guiberson UNI-VI packer and POOH. Redress packer, and keep it in the shop.

4. RIH with casing scraper to 10750'. POOH.

5. MIRU wireline company. Set CIBP at 10720'. Bail 35' of cement on top of CIBP. Pressure test casing to 2350 psi. If casing holds continue, otherwise hunt for leaks with packer. Squeeze under a retainer if necessary, then drill out cement and re-test.

6. Run cement evaluation tool from PBTD to 8900'. Fax log to engineer for evaluation. RIH with tubing open ended and circulate with packer fluid (2% KCl with 5 ga/1000gal Tretolite KW-170), POOH. Lay down tubing, send in for inspection.

7. RIH with tubing conveyed perforating assembly (see attached diagram), 10000 psi rated Guiberson UNI-VI packer with top cut for Hydril 563 (from Empire 16), 1.781" SN cut for hydril 563 threads, and hydril 563 tubing to PBTD. Hydrotest tubing in hole to 9500 psi. Run packer to ±10540' and set it (be sure guns are located correctly). Guns should be set to perforate 10585'-10597' (4 JSPF). Run GR logs to correlate gun location. Test backside to 2500 psi.

8. Obtain new tubing hanger cut for Hydril 563 thread. ND BOP, NU wellhead. Test wellhead to 5000 psi. Load 1000' of tubing (4 bbl).

9. Detonate guns. Put well on test.

10. If gas entry is limited then MIRU stimulation company. Drop off guns. NU surface lines and test to 9200 psi. NU 10000 psi tree saver. Beak down Morrow with 2000 gal 7 1/2% MS acid with 1000 scf N2/bbl. Drop 36 7/8" RCNBS (sp gr = 1.3). Hold 2000 psi on backside. Pump 10000 scf N2 as a pad.

Injection Rate	=	4 bpm (total)
Anticipated Pressure	=	8000 psi
Maximum Pressure @ 0 bpm	=	8500 psi (85% rated) (includes mud backup)
Maximum Pressure @ 4 bpm	=	9500 psi
Maximum Pressure @ 2 bpm	=	9300 psi

Flush with N2. Surge balls off formation and ND service company. Flow back immediately.

11. Put well on line and RDPU. Report rates and pressures to Midland office.

State 19 Com. #2
Millman Morrow, South
Eddy County, New Mexico

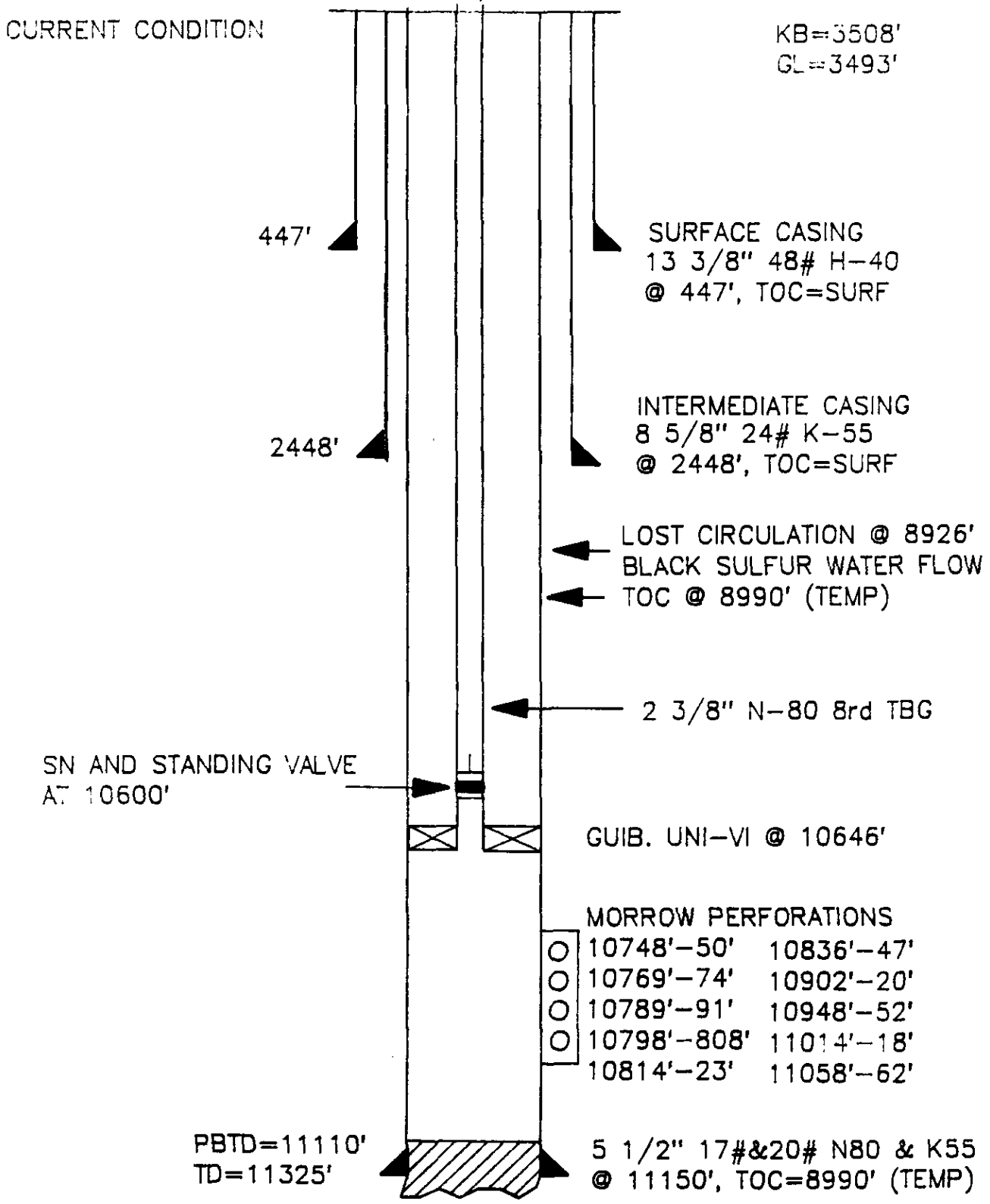
MECHANICAL DATA

Type Tubular:	OD (in)	ID (in)	Weight (#/ft)	Grade	Conn.	Depth (ft)	Collapse (psi)	Burst (psi)	Capacity (BPF)	TOC (ft)
Surface Casing	13 3/8	12.715	48	H-40	---	447	770	1730	0.1570	Surf
Intermediate Casing	8 5/8	8.097	24	K-55	---	2448	1370	2950	0.0636	Surf
Production Casing	5 1/2	4.892	17	MN-80	Butt.	0-2466	6280	7740	0.0232	
	5 1/2	4.892	17	K-55	LTC .	2466-6804	4910	5320	0.0232	
	5 1/2	4.892	17	N-80	LTC	6804-10377	6280	7740	0.0232	8990'
	5 1/2	4.778	20	N-80	LTC	10377-11150	8830	9190	0.0221	(temp)
Old Tubing	2 3/8	1.995	4.7	N-80	8rd	10646	11780	11200	0.00387	
New Tubing	2 3/8	1.995	4.7	N-80	563	10500	11780	11200	0.00387	

KLM 5/10/90

MERIDIAN OIL

STATE 19 COM. NO. 2
MILLMAN SOUTH, MORROW
EDDY COUNTY, NEW MEXICO



KLM 5/10/90

MERIDIAN OIL

STATE 19 COM. NO. 2
MILLMAN SOUTH, MORROW
EDDY COUNTY, NEW MEXICO

KB=3508'
GL=3493'