

LANDSDALE FTD #1
SESE, Sec. 7 - T26N - R12W

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

W/M EXHIBIT NO. _____

CASE NO. 11996

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR

Southern Union Exploration Company

3. ADDRESS OF OPERATOR 1217 Main St. 75202
Suite 400, Texas Federal Bldg., Dallas, TX

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 800' FSL & 800' FEL

AT TOP PROD. INTERVAL: 436'

AT TOTAL DEPTH: 1212.85

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) ☐

SUBSEQUENT REPORT OF:

RECEIVED

(NOTE: Report results of multiple completion or zone change on Form 9-330.)
MAY 16 1980U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1) Perforated P.C. from 1060'-1064' & 1072'-1084' w/2 SPF (1/2" holes) on 12/13/79 (good cement bond).
- 2) 12/17/79 acidized w/1200 gallons of HCl w/poor results.
- 3) 1/22/80 fracked P.C. w/15,000 gallons of foam w/22,000# of sand.
- 4) 1/31/80 flow tested well on 24/64" choke at 80# after 24 hrs. at 181 MCFPD. Shut well in.
- 5) 2/20/80 opened well to flow, well blew down and started making some water.
- 6) Well making small amount of water and sand but would not flow.
- 7) Set up test pump on 3/9/80, pump would function only a short time & hang up.
- 8) Temporarily abandon P.C. formation on 4/23/80, set bridge plug @ 1020' dumped 175' of cement on top of bridge plug.
- 9) 4/24/80 perforated Farmington from 436'-442' 2 SPF (1/2" holes) gas to surface.
- 10) Flow tested well on 4/26/80 for 24 hrs. on a 8/64" choke @ 75# for a flow of 34.39 MCFPD.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

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

SIGNED Ronald R. [Signature] TITLE Drilling & Production Eng.

DATE May 8, 1980

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side

ACCEPTED FOR RECORD

MAY 28 1980

FARMINGTON DISTRICT

EXHIBIT C

J. K. EDWARDS ASSOCIATES, INC.

Lansdale Federal #1

800' FSL & 800' FEL

Section 7, T26N, R12W
San Juan County, New Mexico

RECEIVED

BLM

95 JAN 26 PM 1:24

070 FARMINGTON, NM

5-1/2", 14# @ 32'
Cmt with 8 sx

Farmington 436-442' at 2SPF

4/24/80 Perforated WAW Farmington

4-3/4" hole

12/22/79 Frac PC with 22,000#
10/20 sand in Nitrogen foam

4/23/80 T & A PC

PC perfs 1060-64' and 1072'84' @ .2 SPF (26 holes)

2-7/8, 6.4# @ 1213'GL
Cmt with 100 sxs light and 50 sx with 10% salt
PBTB 1135'GL TD 1236'

ans dale Federal No. 1
800' FSL = 800' FEL
Sec 7, T26 N, R12 W
San Juan Co., NM

BEFORE

TOL @ Surface
(calc.)

5 1/2" csj @ 31.65'

4 3/4" hole

1060'-64' (10 shots) - 2 1/8" glass jets } 15,000 gal
1072-84' (26 shots - 2 1/8" glass jets) } 22,000 #
sand frac

2 7/8" 6.5#/H csj @ 1213.2'

TR. 17211

OCT 16 1995

District I
PO Box 1960, Hobbs, NM 88241-1960
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

J.K. EDWARDS ASSOCIATES, INC. 1401 17TH STREET / SUITE 1400 DENVER, COLORADO 80202		* OGRID Number 011307
		* Reason for Filing Code Original-Completion
* AIT Number 30-045-22787	* Pool Name WILDCAT: 26N12W7P- FARMINGTON	* Pool Code 96380
* Property Code 016295	* Property Name LANSDALE FEDERAL	* Well Number 1

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South Line	Feet from the	East/West line	County
P	7	26N	12W		800	South	800	East	San Juan

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South Line	Feet from the	East/West line	County
P	7	26N	12W		800	South	800	East	San Juan
* Lee Code F	* Producing Method Code	* Gas Connection Date	* C-129 Permit Number	* C-129 Effective Date	* C-129 Expiration Date				

III. Oil and Gas Transporters

* Transporter OGRID	* Transporter Name and Address	* POD	* O/G	* POD ULSIR Location and Description
007057	El Paso Natural Gas Co PO Box 4990 Farmington NM 87499	28/6033	G	

RECEIVED
SEP 29 1995

IV. Produced Water

* POD	* POD ULSIR Location and Description
28/6034	

OIL CON. DIV.
FROM A

WALSH ENGINEERING AND PRODUCTION

WORKOVER AND COMPLETION REPORT

Operator:	J.K Edwards and Assoc	Well Name:	Lansdale Federal #1
Date:	Dec. 20, 1994	Report No.:	2
Field:	NIIP PC/FTC/FARM	Location:	SE 7 26N 12W
Contractor:	Polanco Bros.	Supervisor:	Paul Thompson

Work Summary: Well had pressure and unloaded hard when opened to rig pit. Rigged up Petro Wireline and ran GR/CCL from PSTD of 1127'GL to 900'. Perforated Fruitland Coal from 1042' to 1056' at 4 SPF. Total of 56 (0.28") holes. Rig down Petro and rig up Western. Well built up to 202# in 20 min. Western pumped 500 gal of 7-1/2% HCl and flushed to top perf with 6 bbls of produced water. Let acid soak for 1 hour. Pumped into formation while running tubing to keep well dead. Ran 33 jts. (1055.22') of 1-1/2", 2.76#, J-55, IJ tubing with 1.375" ID seating nipple on bottom and set at 1052'GL. All tubing was from the Cowsaround 27-7. Nippled down BOPs and nipped up well head. Well had pressure right after the pump was shut off. Shut in well. Rig down rig and move to Hickman#7R.

Daily Costs:

Roads and Location	0	Tubulars:	0
Rig Costs:	1,050	Wellhead Equipme	0
Rentals:	0	Subsurface Equip.:	0
Wireline:	2,008	Artificial Lift Equip.	0
Stimulation:	996	Sucker Rods:	0
Packers, BPs, ect.	0	Tanks:	0
Nitrogen:	0	Pressure Vessels:	0
Comp. Fluids:	130	Flowlines:	0
Csg Crew	0	Installation/Labor:	0
Frac Valve	0	Fittings, Valves, Ect	0
Supervision:	278	Meters, Lact, Ect.	0
Trucking:	400	Electrical Equip.:	0
Anchors:	0	Total Daily Cost:	4,862
		Cumulative Cost:	9,042

Delayed FC on Jan. 1995
Squeezed July 1998
FC was not fraced

WALSH ENGINEERING AND PRODUCTION

WORKOVER AND COMPLETION REPORT

Operator:	J.K Edwards and Assoc	Well Name:	Lansdale Federal #1
Date:	Dec. 19, 1994	Report No.:	1
Field:	NIIP PC/FTC/FARM	Location:	SE 7 26N 12W
Contractor:	Polanco Bros.	Supervisor:	Paul Thompson

Work Summary: Move on location and rig up Polanco Bros. rig. SICP = 245#. No tubing in the well. Tried to pump into Farmington perms. Well would pressure up to 1000# and would not take any fluid. Well would unload water on its own. Blew well down. Removed 2" valve and installed 2-7/8" X 1-1/2" tubing hanger and BOPs. Picked up 2-1/4" bit on 4 1-7/8" drill collars and TIH. Tagged cement at 992'GL. Drilled 8' of cement and CIBP at 1000'. Lost circulation as soon as CIBP was drilled. Pushed plug to 1135'GL. Bottom PC perf at 1084'. TOH and lay down drill collars. Plan to perforate Fruitland Coal and acidize 12/20/94.

Daily Costs:

Roads and Location	0	Tubulars:	0
Rig Costs:	1,800	Wellhead Equipme	650
Rentals:	500	Subsurface Equip.:	0
Wireline:	0	Artificial Lift Equip.	0
Stimulation:	0	Sucker Rods:	0
Packers, BPs, ect.	0	Tanks:	0
Nitrogen:	0	Pressure Vessels:	0
Comp. Fluids:	130	Flowlines:	0
Csg Crew	0	Installation/Labor:	0
Frac Valve	0	Fittings, Valves, Ect	0
Supervision:	380	Meters, Lact, Ect..	0
Trucking:	400	Electrical Equip.:	0
Anchors:	320	Total Daily Cost:	4,180
		Cumulative Cost:	4,180

EROFFICE CORRESPONDENCE

NAME	CITY	FROM	NAME	CITY
Mr. O. L. Haseltine			Ron Sentz	SX
Management Report			DATE	ACTION
			April 25, 1980	FOR INFORMATION

Lansdale Federal #1

04/25/80 SICP 235#, started flowing on 8/64" choke. In 20 minutes well had come down to 85# & appears to be leveling off, rate approximately 34,000 CFPD.

04/26/80 Flowing @ 90# on 8/64" choke, rate approximately 36,000 CFPD.

04/27/80 No report.

04/28/80 No report.

Ron Sentz 8/838

cc: Mr. Martin Boggs,
Land Department
Ms. Susan Reno

NAME		CITY		NAME		CITY	
Mr. O. L. Haseltine				Ron Sentz		SX	
Management Report				DATE		April 24, 1980	
				FOR		ACTION	
				INFORMATIC			

Lansdale Federal #1

04/24/80 RU swab unit & swab well down. RU McCullough & ran guage ring to 1020', set bridge plug @ 1000' & dumped 1 sk of cement on top.

Perforated Farmington formation from 436' to 442' w/2 SPF, 2 1/8" glass jets. Had 140# to surface almost immediately, after 30 min. had 215# on surface. Will leave SI over night & flow test in morning. SDFN.

Ron Sentz

INTEROFFICE CORRESPONDENCE

FORM 755-060 6-78

TO	NAME Mr. O. L. Haseltine	CITY	FROM	NAME Ron Sentz	CITY SX
SUBJECT	Management Report			DATE March 12, 1980	ACTION FOR INFORMATION

Lansdale Federal #1

03/12/80 Put Lansdale to pump. Were recovering black water. Casing pressure rose from 0 to 40#. Pump hung-up. Water shows heavy coal content. Will pull pump as soon as possible.

Ron Sentz/9p

there is a small coal stringer in PC.

cc: Mr. Martin Boggs
Land Department
Ms. Susan Reno

INTEROFFICE CORRESPONDENCE

FORM 785-060 9-76

INTEROFFICE

TO	NAME	CITY	FROM	NAME	CITY	DATE	ACTION FOR INFORMATION
	Mr. O. L. Haseltine			Ron Sentz	SX		
SUBJECT			Management Report				
			March 11, 1980				

Lansdale Federal #1

03/07/80 RU, PU.

03/08/80 RU Nowsco & cleaned out 90' of sand to 1166'. SDFN.

03/09/80 Ran down hole pump, 33 jts of 1 1/4" tubing (1080.76').
 Ran 42 (1/2") sucker rods - 1050.00'
 1 (4') pony 4.00'
 1 (8') pony 8.00'
 1 (16') polish rod 8.00'
 1 plunger 8.00'
 1078.00'

NU well head, set pumping unit, need new magneto.

Ron Sentz

cc: Mr. Martin Boggs
 Land Department
 Ms. Susan Reno

INTEROFFICE CORRESPONDENCE

FORM 755-060 9-76

NAME Mr. O. L. Haseltine	CITY	FROM Ron Sentz	CITY SX
Management Report		DATE February 20, 1980	ACTION FOR INFORMATION

Lansdale Federal #1

02/20/80 SI 225# casing, 215# tubing. Blew
down on 10/64" choke in 5 min.
Brought up some water.

Ron Sentz/paz

cc: Mr. Martin D. Boggs
Land Department
Ms. Susan Reno

NEWSPAPER 813 BOX 800
TULSA OK 74101

WELL WORKOVER REPORT

WELL OWNER:

DATE <i>Feb 13/80</i>		JOB OR ORDER NUMBER
LESSOR <i>Randall Fed</i>	WELL NO. <i>#1</i>	<i>1000000</i>
CONTRACTOR		

5X

LOCATION OF WELL SERVICED
Sec 7, T-26-N, R-12-W
A.F.E. NO. AUTHORIZED BY

Farmington Well Service	
JOB STARTED Feb 13/80	JOB COMPLETED

DESCRIPTION OF SERVICE ORDERED *Well Completion*

ROD CONDITION NA		TUBING CONDITION New	
NO. OF RODS NA		JOINTS OR FEET OF TUBING 1036'	
KIND OF RODS NA		TUBING ANCHOR None	
TUBING BREAK	DEPTH	SIZE	KIND OF LEAK
ROD PART	DEPTH	SIZE	DISTANCE FROM TOP BOTTOM
BARREL		VALVES	
SUBS			
SUBS			
ACID RECORD			
FRACTURE RECORD SITP = 215 SICP = 218			

CHARGES TO JOB						
DESCRIPTION	DEPTH	HRS	RATE		AMOUNT	
TOTAL						

REMARKS
Swabbed well down - 2 runs, 50' of fluid -
checked for sand level to 1069' - Shut in over night

EQUIPMENT CHANGED:

W MATERIAL USED

TAL PTH	BEFORE	AFTER	CLEANED OUT	FROM	TO
ILY OD	BEFORE	AFTER			
DUCTION METHOD		SIZE CHOKE	CASING PRESSURE	TUBING PRESSURE	REMARKS
IED BY			TITLE		
SIGNED BY			TITLE		

INTEROFFICE CORRESPONDENCE

FM 75B-060 8-78

NAME Mr. O. L. Haseltine	CITY	FROM	NAME Ron Sentz	CITY SX
Mangement Report			DATE February 11, 1980	ACTION FOR INFORMATION

Lansdale Federal #1

02/11/80 Level up hole.

Ron Sentz/jp

cc: Mr. Martin D. Boggs
Land Department
Ms. Susan Reno

INTEROFFICE CORRESPONDENCE

FORM 752-000 6-78

TO	NAME Mr. O. L. Haseltine	CITY	FROM	NAME Ron Sentz	CITY SX
SUBJECT	Management Report			DATE January 31, 1980	ACTION FOR INFORMATION

Lansdale Federal #1

1-30-80 SI, prep to test.

1-31-80 Opened up on 24/64" choke.

Initial - Casing 178#, Tbg 46#, Rate 210 MCFD
 1st Hr. - Casing 178#, Tbg 22#, Rate 112 MCFD
 2nd Hr. - Casing 181#, Tbg 8#, Rate 80 MCFD

Ron Sentz / gp

cc: Mr. Martin D. Boggs
 Land Department
 Ms. Susan Reno

TEROFFICE CORRESPONDENCE

INTEROFFICE

NAME		CITY		NAME		CITY	
Mr. O. L. Haseltine				Ron Sentz		SX	
Management Report.				DATE		January 29, 1980	
				FOR		ACTION INFORMATION	

Lansdale Federal #1

1-29-80 SITP 215#, SICP 219#.

Ron Sentz/gp

INTEROFFICE CORRESPONDENCE

NAME		CITY		FROM		NAME		CITY	
Mr. O. L. Haseltine				Ron Sentz		SX			
Management Report						DATE		January 22, 1980	
						FOR		ACTION INFORMATION	

Lansdale Federal #1

1-22-80

SITP 150#, WIH w/swab, found no fluid, pulled swab out of hole, pulled 1 1/4" tbg & laid down in preparation for frac. Having trouble getting frac equipment on location. Having to cat all vehicles to well site. 12:30 PM Western RU to frac, RU Newsco, 1:30 all lines pressure tested to 2000#, held safety meeting. 1:41 began frac, hole loaded, pressure rose to 1200# @ 7 BPM total rate. 1:43 pressure broke back to 1000# w/total of 8 bbls pumped away, 1:45 started 20/40 sand @ 1#/gal for 2000 gals, 1:53 started 10/20 sand @ 1#/gal for 2000 gals, total rate 7 BPM @ 1050#, 1:59 started 10/20 sand @ 2#/gal for 2000 gals, 2:05 started spacer @ 7 BPM @ 1100#. Pumped 200 gals & started dropping 20 ball sealers, 1 every 3 sec., saw no ball action. 2:09 started 1#/gal 20/40 sand @ 7 BPM @ 1100# for 2000 gals, 2:14 started 1#/gal 10/20 sand for 2000 gals, 2:22 started 2#/gal 10/20 sand for 5000 gals, 2:36 started flush @ 7 BPM @ 1000#, 2:37 job complete, ISIP 900#, CIP 15 min 650#, SI well & released all crews, 4:00 all crews off location, open on 6/64 choke, fluid freezing in choke, open to 12/64 choke, continue freezing, open to 20/64 choke, well still freezing, open to 24/64 choke, well flowing properly, fluid carrying small amounts of sand, flowed to 7:00. Well appeared to be making natural gas along w/nitrogen. SI well for night.

2000
2000
2000
15
2000
5000
15
10
22

Ron Sentz/gp

INTEROFFICE CORRESPONDENCE

FORM 785-060 6-76

NAME	CITY	FROM	NAME	CITY
Mr. O. L. Haseltine			Ron Sentz	SX
SUBJECT		DATE	ACTION INFORMATION	
Management Report		January 11, 1980		

Lansdale Federal #1

12-12-79 RU. PU.

12-13-79 Pick up 36 jts 1 1/4" J55 (1168.49), swabbed well down (dumped 110 gal diesel). Perforated w/26 2 1/8" glass jets from 1072-84' in PC formation. Swabbed well down.

12-14-79 Dumped 110 gal 7 1/2% HCL plus 110 gal diesel, hole filled.

12-15-79 Displace acid & diesel w/2% KCL, swabbed well down, no show.

12-17-79 Pumped 1200 gal 7 1/2% HCL, displace w/2% KCL, swabbed back, no show.

12-18-79 Dumped 250 gal HCL 7 1/2%. Perforated w/McCullough, shot w/10 2 1/8" glass jets from 1060'-64' in PC formation. Displace acid w/287 gal KCL 2%, swabbed well down, no show.

12-19-79 SITP 0, no fluid level, shut down PU.

Ron Sentz

TO: Mr. A. G. Pratt RE: Well History FRI. G. Harrell/na

Lansdale Federal #1

Sec. 07, T26N, R12W

800 FSL & 800 FEL

Prod. Depth 1,200' Pictured Cliff

San Juan County, New Mexico

SX W.I. - 100%

12/12/79 RU pulling unit.
12/13/79 PU #36 Jts. of 1 1/4" J55 (1168.49) swabbed well down (dumped 110 gal diesel). Perf'd w/ (26) 2 1/8" glass jets from 1,072-84' in the Pictured Cliff formation. Swabbed well down.
12/14/79 Dumped 110 gals of 7 1/2% HCL plus 110 gals diesel, hole filled.
12/15/79 Displaced acid & diesel w/2% KCL, swabbed well down, no show.
12/17/79 Pumped 1200 gals of 7 1/2% HCL, displaced w/2% KCL, swabbed back, no show.
12/18/79 Dumped 250 gals of HCL 7 1/2%. Performed w/McCullough, shot w/ (10) 2 1/8" glass jets from 1,060 - 64' in the PC formation. Displaced acid w/287 gals of 2% KCL, swabbed well down, no show.
12/19/79 SITP 0 psi, no fluid level, shut down PU.
12/22/80 SITP 150 psi, WIH w/swab & found no fluid, pulled swab out of hole, pulled 1 1/4" tbg & LD in preparation for frac. Having trouble getting frac equipment on location. Having trouble getting frac equipment on location. Having to call vehicles to well site. 12:30 p.m. Western RU to frac, RU Nowco. At 1:30 all lines pressure tested to 2000 psi, held safety meeting. At 1:41 began frac, hole loaded, pressure rose to 1200 psi @ 7 BPM, total rate. At 1:43 pressure broke back to 1000 psi w/total of 8 bbls pumped away. At 1:45 started 20/40 sand @ 1#/gal for 2000 gals, 1:53 started 10/20 sand @ 1#/gal for 2000 gals, total rate 7 BPM @ 1050 psi. At 1:59 started 10/20 sand @ 2#/gal for 2000 gals. At 2:05 started spacer @ 7 BPM @ 100 psi. Pumped 200 gals & started dropping 20 ball sealers, 1 every 3 sec, saw no ball action. At 2:09 started 1#/gal of 20/40 sand @ 7 BPM @ 1100 psi for 2000 gals. At 2:14 started 1#/gal of 10/20 sand for 2000 gals. At 2:22 started 2#/gal 10/20 sand for 5000 gals. 2:36 started flush @ 7 BPM @ 1000 psi. 2:37 job complete, SITP 900 psi, CIP 15 min 650 psi. SI well & released all crews. 4:00 all crews off location, open on a 6/64" choke, fluid freezing in choke, open to 12/64" choke, continue freezing, open to 20/64" choke, open to 12/64" choke, continue freezing, open to 20/64" choke, well still freezing, open to a 24/64" choke, well flowing properly, fluid carrying a small amount of sand, flowed to 7:00. Well appeared to be making natural gas along w/nitrogen SI well for night.
1/24/80 BICP 154 psi. Opened well on a 24/64" choke, unloading frac fluid. Well loaded up & died about 1:00 p.m. Will move in PU & rerun 1 1/4" tbg. SDFN.
01/25/80 RIH w/tbg & found 96' of sand fill up. PU tbg string & swabbed well, trying to get well to unload & clean up sand. Making arrangements to circ sand out.
01/26/80 Circ sand out down to 1,072' & lost circ. Stopped circ, pulled tbg up to 1,030'. Made 3 swab runs & well kicked off. Left well open overnight.
01/27/80 Well flowing w/light mist of water. SIFN.
01/28/80 Sunday, no operations.