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RECEIVED NEW MEXICO OIL AND GAS CONSERVATION COMMISSION

MAY 1 1973

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

**SUNDY NOTICE 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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Shenandoah Oil Corporation	8. Farm or Lease Name S. E. A. Properties
3. Address of Operator 702 Gihls Tower West, Midland, Texas	9. Well No. 1
4. Location of Well UNIT LETTER 0, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 13 TOWNSHIP 4S RANGE 26E NMPM.	10. Field and Pool, or Wildcat Midland
15. Elevation (Show whether DF, RT, GR, etc.) 3857 GR	12. County Chaves

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER Completion <input type="checkbox"/>

17. 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.

See attached information.

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

SIGNED Dwight Power TITLE Production Supt. DATE 4-30-73

APPROVED BY W. A. Gussett TITLE OIL AND GAS INSPECTOR DATE MAY 1 1973

CONDITIONS OF APPROVAL, IF ANY:

12-27-72 Going in hole after DST # 36272'. Mud wt. 9.8, Vis 47, WL 9, Filter cake 2/32. Bit # 10 went in at 6272.

12-28-72 Drilling at 6394' in lime and shale. Re-run Bit # 8 J-55 made 122' in 21 $\frac{1}{2}$  hrs. Mud wt. 9.8, Vis. 48, WL 8 2/32 Filter cake.

12-29-72 TD 6478' coming out with fish - lost 4 drill collars, Bit # 8 in @ 6272', out @ 6478'. Mud wt. 9.8, Vis 47, WL 5

12-30-72 TD 6478' fishing for Totco 24 hrs.

12-31-72 TD 6478' fishing for Totco 24 hrs.

1-1-73 Fishing for Totco and TD 6550' in dolomite, lime, and chert. Bit # 12 in hole started drilling at 5:30 PM Mud wt. 9.8, Vis 49, WL 7.4 Filter cake 2/32.

1-2-73 Circulating now for logs. Went on company time at 10:15 PM 1-1-73 at 6500'.

1-3-73 TD 6550' Dolomite Bit # 12 J-8 made 72' in 13 hrs. Mud wt. 9.8, Vis 49, WL 7 Filter cake 2/32. At 7:45 AM 3 hrs circ. 3/4 hr. drilling. 4 hrs trip 10 3/4 hrs. log. 5 1/2 hrs. Waiting on instructions.

Tops:

San Andres	994 (+2874)	52'	high Apache Noble Trus
Tubb	3596 (+272)	25'	"
Abo	4236 (-368)	51'	"
Cisco	5588 (-1720)	53'	"
Canyon	5860 (-1992)	55'	"
Strawn Sand	6076 (-2208)	30'	"
Mississippian	6290 (-2422)	51'	"
Montoya	6457 (-2589)	74'	high to Apache "
Pre-Cambrian	6463 (-2595)	85'	"

TD 6550'

1-4-73 5 $\frac{1}{2}$  hrs W. O. O. 2 $\frac{1}{2}$  hrs going in hole with bit, 4 hrs circ. 6 hrs laying down drill pipe. 6 hrs. waiting on csg.

1-5-73 Waited on casing 3 hrs. Ran 207 jts 4 $\frac{1}{2}$ " set @ 6550' Cmtd with 275 sx of Class "C" 2% Gel 50-50 pos 8# salt per sack 3/4 of 1% CFR 2 PD 5:30 P.M. 1-4-73. Set slips, cut casing Released rig at 6:30 P.M. 1-4-73.

m

1-6-73 W. O. C. cannot move rig due to weather.

1-7-73 W. O. C. cannot move rig due to weather.

1-8-73 W. O. C. cannot move rig due to weather.

1-9-73 W. O. C. cannot move rig due to weather.

1-10-73 1 W. O. C. cannot move rig due to weather.

1-11-73 W. O. C. cannot move rig due to weather.

1-12-73 W. O. C. cannot move rig due to weather.

1-13-73 W. O. C. cannot move rig due to weather

1-14-73 W. O. C. cannot move rig due to weather

1-15-73 W. O. C. cannot move rig due to weather

1-16-73 Mvg off rotary.

-Continued

1-17-73 Moving out rotary and cleaning up.

1-18-73 Waiting on location to dry up & move in completion unit.

1-9-73 Waiting on location to dry up & move in completion unit.

1-20-73 Waiting on completion unit.

1-21-73 Waiting on completion unit.

1-22-73 Waiting on completion unit.

1-23-73 Waiting on completion unit.

1-24-73 Waiting on completion unit.

1-25-73 Waiting on completion unit, Select Well Service to move in unit tomorrow.

1-26-73 Moving in completion unit.

1-27-73 Rigged up workover unit, ran cement bond log. Top of cement bond 5620'.  
Ran Gamma Ray Collar Log.

1-28-73 Nippled up and tested well, head, nipple BOP. Perforated from 6252-6256,  
two shots per ft. Started picking up 2 3/8" tbg. Shut in overnight.

1-29-73 Picked up 197 jts 2 3/8" tbg. with Guiberson Packer. Spotted 250 gallons  
mud acid, set packer at 6128' and acidized. Min pres. 1500#, Max pres  
2400#. IR 1 BPM ISDP 1800#, 5" SIP 1000#, 10" SIP 650#, 31 1/2 BLW & acid  
to recover. Swbd 2 hrs & rec. 23 BLW. Well started flowing TSTM. Left  
well open on 12/64 choke. Preped to re-acidize this A.M. with 500 gallons  
MS acid.

1-30-73 Re-acidized with 500 gal 10% MS acid Min. trtg press 2550# Max 2700#  
ISDP 1750# 5" SI 950# 10" 650# 15" 500# IR 2.9 BPM 43 BLW & acid to rec.  
Swbd 8 1/2 hrs rec. 38 BLW -10 BLW to rec. now on both acid jobs. Flowing ga:  
TSTM - 3/4 open choke SI 12 hrs overnight. TP 1500# bled off in 15" on  
20/64 choke to 10#. Preped to run swab and get FL.

1-31-73 FL 2000' FS, swbd dry, swbd 8 hrs rec. 20 BW. Shut down & waited 1 hr.  
250' fluid would come in hole.

Water Analysis

Sp. Grav. 1.115 @ 58°  
PH 4.5  
Est. Solids 158,200 PPM  
Chlorides 100,920 PPM  
Hydrogen Sulphides None  
Iron very strong

2-1-73 SI 12 hrs TP 1300#, bled off press FL 1500' FS, show of gas, ran swab to  
3000' well kicked off. Swabbed dry & rec. 23 BW gas TSTM Perforated 2  
shots per ft. 6258-64 & acidized with 500 gals MS acid. Min. Treating  
Press 2450# Max. 3000# Injection rate 4.1 BPM ISDP 1750# 5" SIP 400# 10"  
SIP 100#. Had 59 BLW to rec. Swbd 5 hrs & rec. 33 BLW very little gas.  
Tbg. swbd dry. Shut in for night. Pp to set BP & perforate upper zone.

2-2-73 SI overnight 750# TP FL 3500' FS swbd 7 hrs rec 18 BLW. Small show gas.  
Total 49 BLW & acid recovered. SI for night & preped to frac.

2-3-73 SI TP 800# Sand frac'd down tbg with 6000 gal. 3% acid & 6000# 20-40 sand  
MTP 3750# MATP 5000#, IR 9.5 BPM ISDP 2100# 5" SIP 1800#, 10" SIP 1650#,  
15" SIP 1500# 20" SIP 1400#. Load to rec is 189 bbls. SI 4 hrs TP 50# Swbd  
5 hrs recd 36 BLW, FL 5500' FS SI overnight.

2-4-73 SI overnight 100# TP, FL 750' FS Swbd 8 hrs tbg. swbd dry. Swbd total 50 BL  
BLW (-103)

2-5-73 SI overnight TP 100# FL 1000' FS Swbd 8 hrs tbg swbd dry. Recd 53 BLW with  
show of gas during swbg (-50 BLW) SI overnight & preped to pull tbg & plug  
off lower zone & then perf. 6083-6104.

- 2-6-73 DTD 6550' PBTB 6180' Strawn 6083-6104, SI overnight TP 150# FL 3000' FS Pumped 24 bbls water down tbg. Pulled tbg. set CIBP @ 6200' put 2 sx cmt on top of it. Perforated 6083-6104 2 shots per ft. Ran tbg. & pkr., set pkr. @ 5989' & acidized with 500 gallons mud acid. Min treating pres 1575 Max. treating pres 2200#, IR 1.2 BPM, ISDP 1550#, 10" SIP 1450#, 36 BLW & acid to recover. Made 7 swbs runs & recovered 32 BLW & acid & swbd dry. Very small show of gas. Preped to re-acidize.
- 2-7-73 DTD 6550' PBTB 6180' Strawn 6083-6104, Shut in overnight TP 375# bled off pressure ran swab in hole had 200' fluid in hole, small show of gas, acidized with 1500 gallons MS acid & 40 ball sealers. Min treating pre. 1850# Max treating pres 2500#. IR 3 BPM ISDP 1500#, 5" SIP 1400#, 10" SIP 1300#, 15" SIP 1200#. Had 62 BLW & acid to recover. Bled off pressure an swbd 6 $\frac{1}{2}$  hrs & recd 38 BLW & acid. Small show of gas. Tbg. swbd dry. Shu in overnight and preped to swab this am.
- 2-8-73 DTD 6550' PBTB 6180', Strawn Shut in overnight TP 975# bled off pres. in 30 minutes. FL 3500' FS Ran swb 7 hrs & recd 19 BLW Tbg. swbd dry & had (-5 BLW) Now shut in beacause of weather.
- 2-9-73 DTD 6550' PBTB 6180' 6083-6104, Strawn Shut in due to weather.
- 2-10-73 DTD 6550' PBTB 6180' 6083-6104 Strawn , Shut in 60 hrs TP 1975# bled off pressure in 30 minutes. 30 bbls treated water down tbg., pulled tbg. & pkr., ran chisel bottom baler on wireline & drilled on BP 4 hrs & SI for night.
- 2-11-73 Shut in overnight CP 900#, bled off pressure, ran chisel bottom baler on wireline 1 hr. & drilled on BP & pushed to 6275'. Ran gauge ring and set CIBP @ 6248' ran 2 3/8" tbg. with pkr. & tested BP to 1500#. Perforated 2 shots per ft. 6208-10, 6225-32, 6237-40
- 2-12-73 Preped to acidize & swab this a. m.
- 2-13-73 DTD 6550 PBTB 6180' 6083-6104, Strawn 6208-10, 6225-32, 6237-40. Shut in overnight CP 600# TP 0# bled off pressure & set pkr. @ 6153' & acidized perfs 6208-10, 6225-32, 6237-40 with 500 gallons Mud acid. Min treating pressure 1400# Max. treating pressure 2700# IR 3 BPM ISDP 1750# 5" SIP 600#, 10" SIP 400#. 37 BLW to recover. Swbd 7 hrs & recd 35 BLW. Small show of gas. FL 6100' FS & shut in for night.
- 2-14-73 DTD 6550' BBTD 6180' Strawn 6083-6104, 6208-10, 6225-32, 6237-40. Shut in overnight. TP 600# CP 1200# bled off TP in 3 min. & bled off CP in 30 min. FL 1500' FS, swbd 7 $\frac{1}{2}$  hrs & recd 2 BLW & 27 bbls new water. FL is scattered from 3500' down, show of gas with each swab run. CP built back up to 600#.
- 2-15-73 DTD 6550' PBTB 6180' Strawn 6083-6104, 6208-10, 6225-32, 6237-40. Shut in overnight. TP 675# CP 1400# Bled off tbg pressure, ran swab FL 1800' FS, swbd 4 hrs & recd 20 BW. Bled off CP pulled pkr. Ran 2 3/8" tbg open ended with seating nipple set tbg @ 6240'. Shut in overnight & preped to swab tbg. dry & rig down unit. Will be shut in waiting on orders.