

Submittal Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-26317
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SHUGART A STATE COM
8. Well Number 1
9. OGRID Number 240974
10. Pool name or Wildcat SHUGART, NORTH (MORROW)

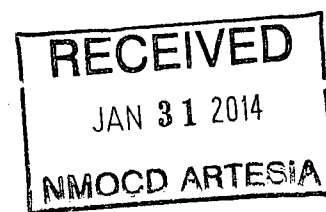
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator LEGACY RESERVES OPERATING LP	
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702	
4. Well Location Unit Letter <u>C</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>16</u> Township <u>18S</u> Range <u>31E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3673' GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

---SEE ATTACHED---



Submit C102 for Shugart;  
Strawn 160 Acres;  
Provide DHC aprl detail

Spud Date:

Rig Release Date:

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

SIGNATURE Craig Sparkman TITLE OPERATIONS ENGINEER DATE 01/30/2014

Type or print name CRAIG SPARKMAN E-mail address:  PHONE: 432-689-5200

For State Use Only

APPROVED BY: Dr. J. D. Spewer TITLE Dr. J. D. Spewer DATE Jan 31, 2014

Conditions of Approval (if any):



## SHUGART A STATE COM #1

LOCATION: 1980' FWL & 660' FNL, Sec 16, T18S, R31E

Current Wellbore

FIELD: Shugart, North (Strawn)

GL: 3673'

LATEST UPDATE: 11/18/2013

COUNTY: Eddy

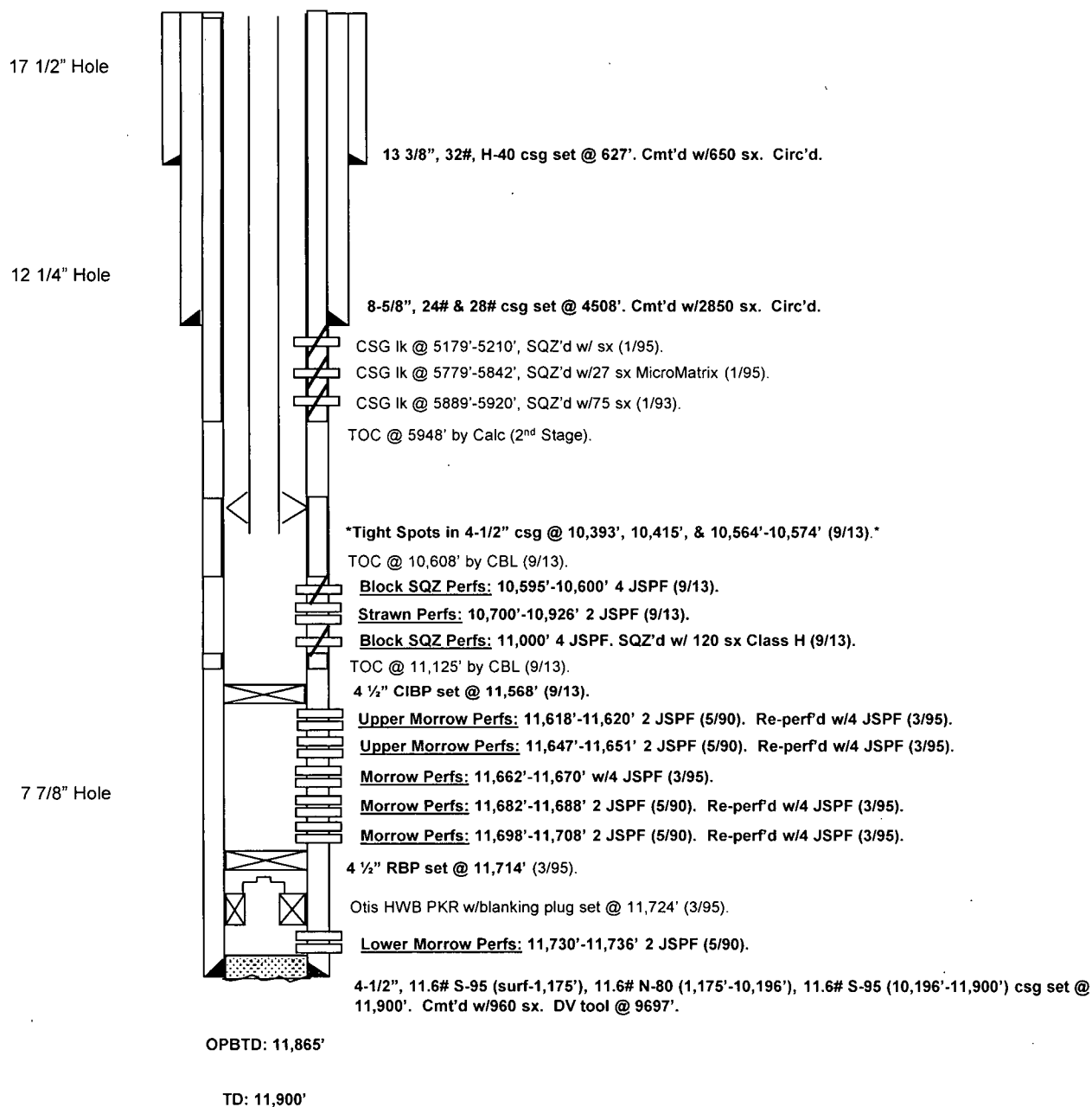
KB: 3688'

BY: CSPARKMAN

STATE: New Mexico

SPUD DATE: 4/10/1990

API No: 30-015-26317



## SHUGART A STATE COM #1

**09/12/13** - SET CIBP @ 11,568'. TEST 4 ½" CSG TO 500 PSI, OK. PERF'D LOWER BLOCK SQUEEZE PERFS @ 11,000' W/4 JSPF (4 HOLES). PERF'D UPPER BLOCK SQUEEZE PERF'S @ 10,602 W/4 JSPF (4 HOLES).

**9/16/13** – SET CMT RT @ 10,940'. BLOCK SQUEEZED 120 SX CLASS "H" CMT FROM 11,000' - 10,602'.

**9/18/13** – TAGGED CMT @ 10,850'. DO CMT FROM 10,850' - 10,940'. TAGGED CMT RT @ 10,940'. DO CMT RT AND CMT FROM 10,940' – 11,002'. RIH TO 11,060'. CIRC. HOLE CLEAN. TEST 4 ½" CSG TO 500 PSI, OK.

**09/19/13** – RAN CBL FROM 11,000' – 10,600'. TOC @ 10,608'. PERF'D STRAWN FROM 10,700'-02', 10,704'-07', 10,710'-17', 10,734'-36', 10,745'-49', 10,751'-62', 10,765'-77', 10,787'-90', 10,805'-07', 10,812'-17', 10,819'-27', 10,850'-65', 10,871'-73', 10,882'-86', 10,914'-18' & 10,922'-26' W/2 JSPF (210 HOLES).

**09/23/13** – SET PKR @ 10,660'. ESTABLISHED INJECTION RATE INTO STRAWN PERF'S @ 10,700'-10,926'. PUMPED 20 BBLS LEAD ACID & STRAWN PERF'S COMMUNICATED W/UPPER BLOCK SQUEEZE PERF'S @ 10,602'. SHUT DOWN. RELEASED PKR @ 10,660'. CIRC. ACID OUT OF TBG.

**09/25/13** – RIH W/RBP & PKR TO ISOLATE UPPER BLOCK SQUEEZE PERF'S @ 10,602'. SET RBP @ 10,650' & PKR @ 10,630'. TESTED TOOLS TO 2,000 PSI, OK. RELEASED PKR & RESET @ 10,566'. ESTABLISHED INJ RATE OF 0.91 BPM @ 4,400 PSI. RELEASED PKR.

**09/26/13** – RESET PKR @ 10,534'. ACIDIZED UPPER BLOCK SQUEEZE PERF'S W/2,000 GALS ACID @ 0.5 BPM @ AN AIP OF 5,250 PSI & A MAX PRESSURE OF 5,270 PSI.

**09/27/13** – ADDED ADDITIONAL SQUEEZE PERF'S FROM 10,595'-10,601' W/2 JSPF (12 HOLES). RIH W/PKR & SET @ 10,534'. ACIDIZED SQUEEZE PERF'S W/2,000 GALS ACID @ 0.6 BPM @ AN AIP OF 5,250 PSI & A MAX INJ PRESSURE OF 5,460 PSI. FLUSHED W/50 BBLS 2% KCL. SHIT IN FOR 30 MIN RELEASED PKR. RETRIEVED RBP @ 10,650'. RIH TO 11,065'. SET RBP @ 11,065'. POOH TO 10,534'. SET PKR @ 10,534'.

**09/30/13** – SITP = 670 PSI. FLOWED OFF QUICKLY. TRIED TO RELEASE PKR. TBG PARTED. POOH W/312 JTS TBG.

**10/01/13** – RIH W/3 7/8" OVERSHOT W/3 1/16" GRAPPLE AND TWO 3' EXTENSIONS. TESTED TBG IN HOLE TO 7,000 PSI. CAUGHT FISH. POOH & LD FISH.

**10/02/13** – RIH W/RETRIEVING TOOL FOR RBP. RBP STILL @ 11,065'. RETRIEVING TOOL TAGGED @ 10,564'. COULDN'T WORK RETRIEVING TOOL BELOW 10,564'.

**10/03/13** – POOH W/RETRIEVING TOOL. RIH W/ 3 11/16" LEAD IMPRESSION BLOCK ON TBG. TAGGED @ 10,564', BUT FELL THRU. ONLY WENT 2' DOWN & IT DIDN'T SIT DOWN ON ANYTHING. POOH W/LEAD IMPRESSION BLOCK.

**10/04/13** – RIH W/CCL TOOL. MARKED A SPOT @ 10,564'. RIH W/ 3 3/4" CSG SWEDGE, BUMPER SUB, HYDRAULIC JARS AND SIX 3 1/8" DC'S. TAGGED @ 10,564'. WORKED SWEDGE THRU TIGHT SPOT SEVERAL TIMES.

**10/07/13** – POOH & LD 3 1/8" SWEDGE. RIH W/ 3 7/8" CSG SWEDGE, BUMPER SUB, HYDRAULIC JARS, SIX 3 1/8" DC'S. TAGGED @ 10,564'. WORKED SWEDGE THRU TIGHT SPOT SEVERAL TIMES.

**10/08/13** – POOH & LD 3 7/8" SWEDGE. RIH W/RETRIEVING TOOL FOR RBP. LATCHED ONTO RBP @ 11,065'. RELEASED RBP & STARTED OUT OF THE HOLE.

**10/09/13** – POOH & LD RBP. RIH W/PKR ON 2 3/8" TBG. SET PKR @ 10,088' W/TAIPIPE @ 10,468'. ACIDIZED STRAWN PERF'S & UPPER SQUEEZE PERF'S W/4,000 GALS OF 20% ACID. AIR-3.2 BPM, AIP-5,250 PSI, ISIP-4,553 PSI, 5 MIN-4,466 PSI, 10 MIN-4,466 PSI, 15 MIN-4,430 PSI.

**10/10/13** – SITP-4,100 PSI. FLOWED 8 BBLS WTR.

**10/12/13** – POOH & LD PKR

**10/16/13** – RIH W/PROD. EQUIPMENT. RWTP ON ROD PUMP.