

Well Name: PRONGHORN SWD	Well Location: T19S / R32E / SEC 24 / NWNE /	County or Parish/State: LEA / NM
Well Number: 1	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM86144	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002532735	Well Status: Water Disposal Well	Operator: SPUR ENERGY PARTNERS LLC

Notice of Intent

Sundry ID: 2668406

Type of Submission: Notice of Intent

Type of Action: Workover Operations

Date Sundry Submitted: 04/25/2022

Time Sundry Submitted: 10:27

Date proposed operation will begin: 04/30/2022

Procedure Description: Please find procedure and WBDs attached for your use.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Pronghorn_SWD__1__Current__Proposed_WBD__Wellview_History_20220425102639.pdf

Pronghorn_SWD__HIT_Packer_Leak_Procedure_20220425102639.pdf

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM

K F

NMOCD 4/28/22

Well Name: PRONGHORN SWD

Well Location: T19S / R32E / SEC 24 / NWNE /

County or Parish/State: LEA / NM

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Type of Well: OTHER

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US Well Number: 3002532735

Well Status: Water Disposal Well

Operator: SPUR ENERGY PARTNERS LLC

Conditions of Approval

Specialist Review

Workover_or_Vertical_Deepen_COA_20220426154851.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SARAH CHAPMAN

Signed on: APR 25, 2022 10:26 AM

Name: SPUR ENERGY PARTNERS LLC

Title: Regulatory Directory

Street Address: 9655 KATY FREEWAY, SUITE 500

City: Houston

State: TX

Phone: (832) 930-8613

Email address: SCHAPMAN@SPUREPLLC.COM

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Approved

Disposition Date: 04/26/2022

Signature: Jonathon Shepard

Pronghorn SWD #1

Lea County, NM

API# 30-025-32735

Hole in Tubing / Packer Leak**Objective**

This well has a suspected hole in tubing or packer leak due to pressure on the casing. It is proposed to pull and hydrotest tubing and replace any leaking joints. It is also proposed to run a new packer. The well was last pulled in 2018 for a hole in tubing; the top 8 joints were found to have 4 holes and were replaced.

Procedure

1. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Lea County, call 575-393-3612.
2. Move in rig up pulling unit, laydown machine, and casing crew.
3. Nipple up BOP.
4. Pull 4-1/2" BTC Glassbore Tubing and lay down on pipe racks.

Tubing Detail (10/25/2018)

10' KB

77 jts 4½" BTC glassbore tbg (3179')

On/off tool w/ 2.25" F Profile

7" x 3½" Nickel Plated as1-x packer @ +/- 3,200'?

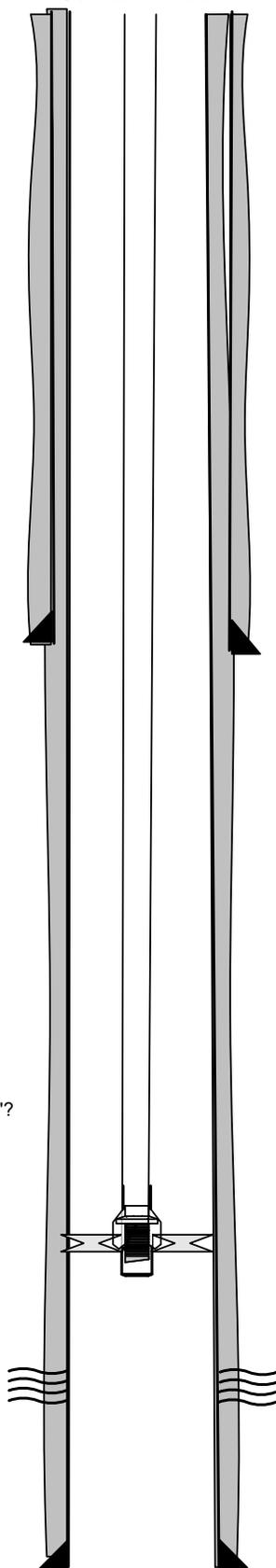
5. Pick up bit and scraper and 2-7/8" workstring. Run in hole to 3,300' and pull out of hole.
6. Run in hole with test packer and set at +/- 3,200'. Load and test casing to 500 psi for 15 mins.
7. Pull out of hole laying down workstring.
8. Rig up casing crew. Run in hole with new 7" x 3-1/2" Nickel-plated AS1-X Packer with On/Off Tool with 2.25" F profile and pump-out plug, and 77 joints 4-1/2" BTC Glassbore Tubing.
 - a. Hydrotest tubing to 3,000 psi below the slips
 - b. Install new seals
 - c. Replace bad tubing as necessary with new 4-1/2" BTC Glassbore tubing.
9. Set packer at +/- 3,200' (same depth as before).
10. Load and test casing to 500 psi for 15 mins.
11. Get off on/off tool. Circulate packer fluid. Engage on/off tool.
12. Load and test casing to 500 psi for 30 mins.
13. Nipple up wellhead. Pressure up on tubing and pump out plug.
14. Rig down pulling unit.
15. Notify BLM & NMOCD to witness MIT.

Pronghorn SWD #1

Lea County, NM
API# 30-025-32735

SPUD DATE: 3/5/1995
ELEV: 3620' GL, 3630' KB

CURRENT WBD



10-3/4" 40.5# J-55 CSG @ 1100'
CMT W/ 700 SX CLASS C
CIRC 175 SX TO SURFACE

TUBING DETAIL (10/25/2018)

10" KB
77 JTS 4 1/2" BTC GLASSBORE TBG (3179')
ON/OFF TOOL W/ 2.25" F PROFILE
7" X 3 1/2" NICKEL PLATED AS1-X PACKER @ +/- 3,200'

SEVEN RIVERS PERFS (3,300' - 3,500')

3/21/1995: PERF 3300-3500' ACIDIZED W/ 2000 GALS 15%
HCL NEFe, REACIDIZED W/ 5000 GAL NEFe 20% HCL ACID
ON 3/24/2014

7" 23# J-55 Csg @ 3300'
CMT W/ 375 SX C W/ ADD
CMT W/ 900 SX LITE W/ ADD
CIRC 152 SX TO SURFACE

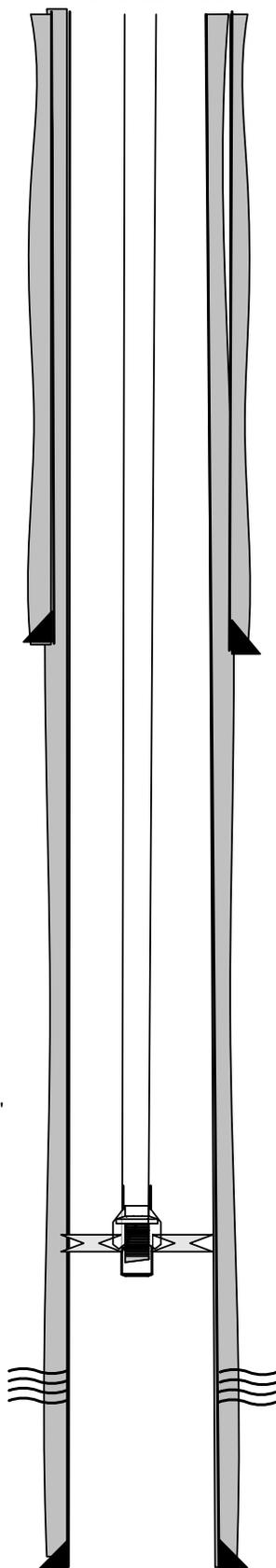
TD @ 3,500'
PBD @ 3,500'

Pronghorn SWD #1

Lea County, NM
API# 30-025-32735

SPUD DATE: 3/5/1995
ELEV: 3620' GL, 3630' KB

PROPOSED WBD



10-3/4" 40.5# J-55 CSG @ 1100'
CMT W/ 700 SX CLASS C
CIRC 175 SX TO SURFACE

PROPOSED TUBING DETAIL

10" KB
77 JTS 4 1/2" BTC GLASSBORE TBG
ON/OFF TOOL W/ 2.25" F PROFILE
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7" 23# J-55 Csg @ 3300'
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CMT W/ 900 SX LITE W/ ADD
CIRC 152 SX TO SURFACE

TD @ 3,500'
PBD @ 3,500'

Daily Operations

Start Date	End Date	Summary
3/4/1995	3/5/1995	Spud well at 11:00 PM 3-5-95, drill 14 7/8" surface hole to 1080ft., run 26 joints (1083') 10 3/4" 40.5# & 45.5#, J-55, Buttross thread csg. Casing shoe at 1080', cement with 600 sx Pacesetter Lite & 200 sx Class C, Circulated 200 sx. to surface, bump plug at 1:30 PM 3-8-95. WOC NUBOP. Test casing and BOP to 1000PSI for 30 min. held OK.
3/7/1995	3/8/1995	Drill out cement and shoe with 9 7/8" bit, to 3300'. Run 107 jts. (3304') 7" 23# & 26# K-55 ST&C csg. FS @ 3300', Cement with 600 sx Pacesetter Lite & 200 sx Class C. circulated 160 sx. to surface. WOC Test casing and BOP to 1000PSI for 30 min. Drill 6 1/8" hole to 3500', release rig 10:00AM 3-15-95.
3/19/1995	3/20/1995	Rig up and RIH 3 1/2" EUE Tubing @ 3226' with Baker Model AD-1 Packer @ 3226 (Nickel Plated) packer fluid on backside and stimulate with 2000 gals. 15% NEFE.
12/1/1997	12/2/1997	Rig up BJ SERVICE pump down 3 1/2" tubing 1000 gals. 15% HCL Pentol 100 with 2 gals Cl-22, 6 gal FE 270, 2 gal FE 271, 5 gal AC-2 and 25 gal Pentofax 2, went on a vaccum and chase with 10 bbls. of fresh water.
8/13/1998	8/14/1998	Well not taking water, cleaned filters and hot watered pot to clean any paraffin in tubes, hook back up, only would take 2000bbls. per day rate, Rig up BJ service and pump down 3 1/2" tubing 2500 gals. 15% HCL Pentol 100 with 5 gals. Cl-22, 14 gal. FE 270, 5 gal FE 271, 12gal ACI-2, and 60 gal. Pentofax 2, went on vaccuum and chase with 10 bbls. fresh water, let set 1 hour, turn back on.
2/27/1999	2/28/1999	Pump 2000 gals. 15% NEFE Acid down tubing, hook up pump to well displace water, running 110# and pumping at rate of 4500 BPD.
2/28/1999	3/1/1999	Well has water coming out backside, pumping in at 110# at 4500 BPD, 160 gals. per min. leaking out backside of about 1 1/2 gals per min. shut pump off well goes back on vaccuum and backside goes back down, turn pump on well on backside flows.
2/13/2000	2/14/2000	RU PU on 3 1/2" tbg. parted POH w/22 & f 3/4 jts. Shut down.
2/14/2000	2/15/2000	RIH w/overshot & tag 24' high. RU reverse unit & clean out down to tbg. Fish & POH w/2 jts & 10'. RIH w/3 1/2" grapple & POH w/20' piece 1 jt. & 15'.
2/15/2000	2/16/2000	RIH w/3 1/2" grapple & POH w/15' piece. RIH & POH w/1 jt. RIH & latch on to tbg. PU 30,000 & broke 4 1/2" grapple. RIH w/3 7/16" body grapple. Latch on to tbg. & jar loose. POH & lay down 3 1/2" tbg. & 7" AD-1 pkr.
2/16/2000	2/17/2000	RU BJ & pump 1500 gals 15% NEFE acid down csg. & flush w/130 bbls FW. RIH w/106 jts new 2 7/8" Plastic Coated tbg. & 7" 20-26# AD-1 pkr. Left hand set. Pkr. @ 3202'. 7" AD-1 pkr. left hand set 20-26#. Landed @ 3202' w/32,000# tension pulled on pkr. 40,000# tension pkr. probably will shear when picked up on. Pumped 130 bbls packer fluid & set pkr. Let air in packer fluid settle out overnight.
2/17/2000	2/18/2000	Test csg. for integrity test. Bled off 20# in 30 min. Hobbs OCD has chart.
10/4/2001	10/5/2001	RU BJ pump 1500 gal 15% NEFE Acid with Pentrol 100 down tubing. (NOTE TUBING OR PACKER LEAKING)
1/21/2002	1/22/2002	RU release AD-1 Pkr. & POH. found 2 holes in middle of collars lay down tbg. PU new plastic coated 7" 20-26# AD-1 left hand set & RIH on new 2 7/8" plastic coated tbg. Landed @ 3185' w/102 jts. Pump 105 bbls packer fluid down back side & set Pkr. w/40,000# tension. Pack wellhead off & test csg. 500#. wouldn't test. Leave csg. open all night let air work out.
1/22/2002	1/23/2002	Test csg. 500# bled off 25# in 30 min.
2/23/2004	2/24/2004	BJ pump 4500gals 15% HCl w/ Pentafax
5/19/2008	5/20/2008	MI DDP. Move frac tank. Tie casing into flowback tank. Unload and rack 110 JTS 2 7/8 workstring. RU DDP. Leave well disposing. SDON. Air unit delivered today Daily Cost: \$11,725 Cum Cost: \$11,725
5/20/2008	5/21/2008	ND wellhead. NU BOP, TOOHD LD 2 7/8 plastic coated tbg. Parted 80 JTS from surface, collar part, TOF @ 2494' KB, TIH with 5 3/4 overshot with a 3 21/32 grapple, Xover, bumper sub and 83 JTS TBG. Tag fish @ 2714' KB, work fish free, TOOHD, LD 22 JTS P.C. TBG and AD - 1 PKR, TIH with 6 1/8 bit, bit sub, 6 - 3 1/2 drill collars, x- over and 86 JTS 2 7/8 workstring, bit @ 3012' KB, ready to break circulation in A.M., secure well. SDON Daily Cost: \$13,850 Cum Cost: \$25,575
5/21/2008	5/22/2008	Break circulation @ 3012' K. TIH off pipe racks. Tag fill @ 3341' KB. RU power swivel, wash fill to 3496' KB. Clean out to 3508' KB, circulate hole clean. RD swivel and foam unit. TOOHD. LD drill collars. TIH with 7 JTS. 2 7/8 workstring, csg scraper, 98 JTS 2 7/8. Tag TD @ 3508' KB. Pull up to first collar. RU Rising Sta. Acidize well with 10,000 gals. 15% HCL, 8BPM 580 PSI, flush with 21 BBLs water, well on instant vacuum. TOOHD LD 2 7/8 workstring and csg scraper. Secure well, SDO. Prep to run P.C. packer and 2 7/8 TBG in A.M. Daily Cost: \$33,825 Cum Cost: \$59,400
5/22/2008	5/23/2008	TIH with new 10K arrowset 7" pkr. and 101 JTS. new 2 7/8" plastic coated tbg. Set pkr @ 3261' KB, load csg with 16 BBLs fresh water, prssure up to 600 PSI for 10 minutes, held good, Release pkr and pump 100 bbls pkr fluid. ND BOP. Reset pkr. Load casing with pkr fluid. Pressure up to 600 psi. Record on chart recorder for 45 minutes, start disposal. RDMO DDP, SDOW Daily Cost: \$15,675 Cum Cost: \$75,075
5/26/2008	5/27/2008	Pressure up to 600 psi, lost to 450 in 30 minutes, repressure csg to 600 psi, unable to get chart, change out chart recorder, repressure csg to 600 psi, fell to 300 psi in 45 min, wait for orders Daily Cost: \$15,675 Cum Cost: \$75,075
11/7/2011	11/8/2011	
11/8/2011	11/9/2011	MIRU
11/9/2011	11/10/2011	TIH W/ RBP
11/10/2011	11/11/2011	TEST CASING
11/11/2011	11/12/2011	TEST IN HOLE
3/24/2014	3/25/2014	RU WSU, FOUND TBG PARTED, SHUT DOWN
3/25/2014	3/26/2014	FISHED TBG, UNSET PKR, LAID DOWN TBG AND STARTED IN WITH WORK STRING.
3/26/2014	3/27/2014	RAN IN HOLE WITH PKR AND TBG, ACIDIZE WELL, POOH LAYING DOWN WORK STRING SHUT DOWN FOR THE DAY
3/27/2014	3/28/2014	RAN IN HOLE W/NEW PKR, 4.5" GLASS BORE INJECTION TBG, SET PKR, CIRC PKR FLUID AND SHUT DOWN FOR THE DAY
3/28/2014	3/29/2014	PACKED WELL AND LOADED CSG W/PKR FLUID, TESTED OKAY UP TO 735#
5/12/2014	5/13/2014	

Daily Operations

Start Date	End Date	Summary
10/16/2018	10/17/2018	<p>Totem 10 Road Rig to location. Spot rig and rig up. Very carefully (someone put a 1000BBL tank in a bad spot on location for Pulling unit ops) move in BOP, pipe racks, laydown machine and other rental equipment . Nipple up BOP. Line up casing crew for tomorrow am to pull 4-1/2 TBG. SWI. SDFN</p>
10/17/2018	10/18/2018	<p>Totem 10 Unset packer. Rig up Bird casing crew. Pooh laying down 76 joints of 4-1/2 Glass-bore TBG. Then first 8 joints had bad pitting and 4 large holes. The rest of the TBG looked really good. Move out the 76 joints of 4-1/2. Unload and tally the 2-7/8 PH-6 work string. Pick up Bit, scrapper and 102 joints of work-string. Started raining harder so we shut down. SWI. SDFN</p>
10/18/2018	10/19/2018	<p>Totem 10 Pooh with TBG, scrapper and bit. Pick up 7" x 2-7/8 32-A tension packer Run in hole with TBG 3190' set packer and load Backside with 19 BBLs test to 1000 psi. Hold for one hour. Release PSI. Pooh laying down 2-7/8 work-string and packer. Set up casing crew and CLS tech for tomorrow am. Move out work string and move in new 4-1/2 Glass-bore TBG. Prep to pick up for tomorrow am. SWI.SDFN</p>
10/19/2018	10/20/2018	<p>Totem 10 Rig up Byrd casing crew. Pick up New 7" x 3.5" nickel plated AS1-X packer with 2.25 F profile and pump out Plug. Pick up 76 Joints of 4-1/2 Buttress Glass-bore TBG to 3,179'. While CLS tech installed seals and drifted tubing. Rig down casing crew. Shut well in. Shut down for week end.</p>
10/22/2018	10/23/2018	<p>Totem 10 Set packer at 3,179'. Load TBG. Get off on/off tool. Circulate 120 BBLs of Packer fluid. Try to latch back onto Pack but could not. Send trucks to get more water. Pump 150 BBLs down TBG while trying to latch back onto packer. Ran out of water and might have knocked out pump out plug while Pumping. Decide to make plans to pull out with 4-1/2 TBG and inspect on/off tool. Order casing crew, pipe racks and laydown machine. SWI. SDFN</p>
10/23/2018	10/24/2018	<p>Totem 10 Move in pipe racks and laydown machine. Rig up casing crew. Pooh laying down 76 joints of 4-1/2 TBG. All TBG seemed to unscrew ok. Found that the BTM su on the AS1-X packer had backed off. Leaving the BTM slips, rubber element housing and seal section down hole. BTM slips are engaged so fish did not fall down hole. Move 4-1/2 TBG out and 2-7/8 work string in. SWI. SDFN</p>
10/24/2018	10/25/2018	<p>Totem 10 Measure packer that mesquite oil tools brought to make sure we are Running the right grapple on spear. Pick up spear, bumper sub jars and 100 joints of 2-7/8 PH-6 work string. Spear went into packer assy easily. Pull up 40' set back down and packer was on spear. Pooh with tbg. Laydown jars, bumper sub and spear with packer assy on it. Send to mesquites shop to disassemble packer and spear. Run in hole with work string then POOH laying down work string. Move out work string and move back in 4-1/2 TBG. Have Glass-bore tech inspect TBG threads. Prep to pick up new packer and TBG in am. SWI. SDFN</p>

Daily Operations

Start Date	End Date	Summary
10/25/2018	10/26/2018	<p>Totem 10 Rig up Byrd casing crew. Pick up New 7" x 3.5" nickel plated AS1-X packer with 2.25 F profile and pump out Plug. Pick up 77 Joints of 4-1/2 Buttress Glass-bore TBG to 3,179'. While CLS tech installed seals and drifted tubing. Rig down casing crew. Set packer. Load TBG. Get off On/off tool. Circulate 110BBLS of packer fluid. Latch back onto packer. Nipple down BOP and flange up well head. Pressure test casing to 500 PSI. get good test for 30 mins. Nipple up 4-1/2 TBG valve. Tie onto TBG and start pressuring up to pump out plug. Get to 800 psi and notice that valve is leaking where stainless casing nipple goes into valve. Unscrew valve and find that stainless casing nipple is almost corroded through. Try to find a 4-1/2 Buttress to 8 v thread x 16' stainless nipple with no luck. Mesquite oil tools has a machine shop and will make one. Will have it on location Monday. SWI. SDFN</p>
10/26/2018	10/27/2018	<p>Totem 10 Backside PSI still at 500. Crew cleaned and greased 4-1/2" valve. Then did some maintenance on rig. Waiting on a 4-1/2 Buttress to 8 v thread x 16' stainless nipple . Mesquite oil tools has a machine shop and will make one. Will have it on location Monday. SWI. SDFN</p>
10/29/2018	10/30/2018	<p>Totem 10 Backside PSI at 400. Crew 4-1/2 Buttress to 8 v thread x 16' stainless nipple and Master valve Tie onto TBG pressure up to 1200 PSI and pump out pump out plug. Pump 20 more BBLS to make sure TBG is clear. Pressure up to 525 and chart lost 40 PSI in one hour then leveled off. Contact BLM and OCD set up to do MIT Wednesday at 9am. Rig down WSU and clean location.</p>

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1st through June 15th annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 101746

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 101746
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM Run MIT post workover test	4/28/2022