

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form CP-1  
March 2010

This Form must be Typed  
Form must be Signed  
All blanks must be Filled

**WELL PLUGGING APPLICATION**

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act,  
MUST be submitted with this form.

OPERATOR: License #: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

API No. 15 - \_\_\_\_\_  
If pre 1967, supply original completion date: \_\_\_\_\_  
Spot Description: \_\_\_\_\_  
\_\_\_\_ - \_\_\_\_ - \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S. R. \_\_\_\_  East  West  
\_\_\_\_ Feet from  North /  South Line of Section  
\_\_\_\_ Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Check One:  Oil Well  Gas Well  OG  D&A  Cathodic  Water Supply Well  Other: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  ENHR Permit #: \_\_\_\_\_  Gas Storage Permit #: \_\_\_\_\_

Conductor Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks  
Surface Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks  
Production Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks

List (ALL) Perforations and Bridge Plug Sets:

Elevation: \_\_\_\_\_ (  G.L. /  K.B. ) T.D.: \_\_\_\_\_ PBTD: \_\_\_\_\_ Anhydrite Depth: \_\_\_\_\_  
(Stone Corral Formation)

Condition of Well:  Good  Poor  Junk in Hole  Casing Leak at: \_\_\_\_\_  
(Interval)

Proposed Method of Plugging (attach a separate page if additional space is needed):

Is Well Log attached to this application?  Yes  No Is ACO-1 filed?  Yes  No

If ACO-1 not filed, explain why:

**Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission**

Company Representative authorized to supervise plugging operations: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_  
Plugging Contractor License #: \_\_\_\_\_ Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_ Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

Proposed Date of Plugging (if known): \_\_\_\_\_

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form KSONA-1  
January 2014  
**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**CERTIFICATION OF COMPLIANCE WITH THE  
KANSAS SURFACE OWNER NOTIFICATION ACT**

*This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.*

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # \_\_\_\_\_  
Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_ Fax: ( \_\_\_\_\_ ) \_\_\_\_\_  
Email Address: \_\_\_\_\_

Well Location:  
\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S. R. \_\_\_\_  East  West  
County: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

*If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:*

**Surface Owner Information:**

Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

*When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.*

*If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.*

**Select one of the following:**

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

*If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.*

I Submitted Electronically

I

AFE 12687



**Plug and Abandon  
BRU 26-3**

API: 15-129-10586

Well: BRU 26-3

County: Morton

WI: 96%

1103.039



**Project Description/Justification**

The BRU 26-3 injector supports the BRU 26-2 producer. The well had multiple casing leaks repaired in 2007. The well currently has tubing stuck at 3,050' and will not pass a required MIT. The following estimate is to plug the well as is and start hauling any produced water.

**Economics**

Cost= \$29,270 887.10

Operations Engineer	Tyson Swinford	<a href="mailto:tswinford@scoutep.com">tswinford@scoutep.com</a>	720-289-8087
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<p><b>Approval:</b></p> <p>Tyson Swinford, Operations Engineer _____ x </p> <p>Mike Mercer, Operations VP _____ x </p>
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**Lease & Well No.** Berryman Richfield Unit 26-3  
**Field Name** Morrow  
**Location - Legal** 3300' FSL & 1980' FEL Sec 16-T33S-R41W  
**Location - GPS** \_\_\_\_\_  
**K.B. Elevation** 3,429'  
**D.F. Elevation** \_\_\_\_\_  
**Ground Level** 3,422'

**Former Name** \_\_\_\_\_  
**County & State** Morton, Kansas  
**API No.** 15-129-10586

Surface Casing					
Size	8 5/8"	Weight	24#	Depth	1,489'
Grade	J-55	Sx. Cmt.	650 sx	TOC @	Surface
Drilled	12 1/4"				

Intermediate Casing					
Size		Weight		Depth	
Grade		Sx. Cmt.		TOC @	
Drilled					

Production Casing					
Size	4 1/2"	Weight	9.5#	Depth	5,099'
Grade	J-55	Sx. Cmt.	150 sx	TOC @	4,400'
Drilled	7 7/8"				

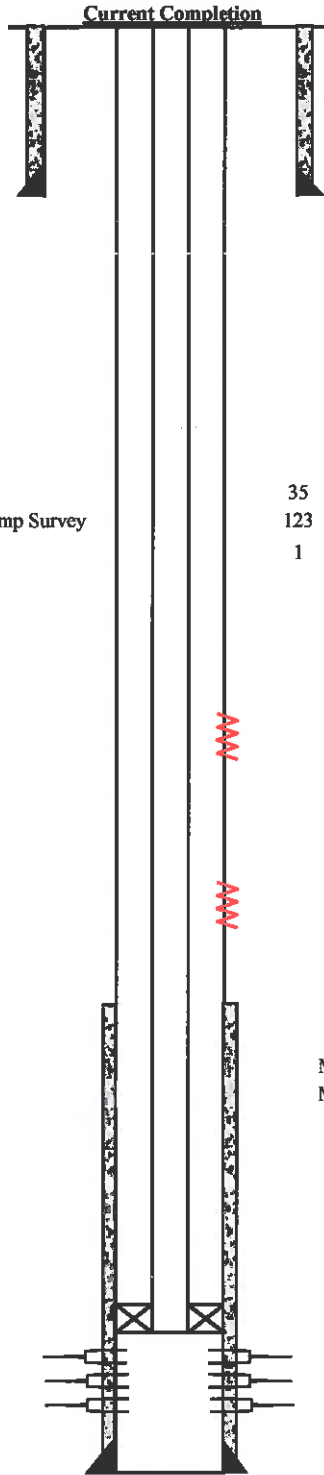
**Well History**

**Spud Date:** 8/15/1962

**Completion Date:** 8/30/1962

Originally completed to the Morrow Sandstone. Converted to an injection well 12/5/1975. 3 Squeezes have been performed. 04/02/07 - 200 Sxs @ 3010'-41', 53 sxs @ 4319'-50'. 04/06/07 Balanced Cmt plug @ 3216'-81'.

TOC - Temp Survey @ 4,400'



**Production Test:**  
Oil  BBLs  
Gas  MCF  
Water  BBLs

**Artificial Lift Method:**

**Unit:**  
**SL:**  
**SPM:**

**Production Equipment**

Tbg:	KB	7'	7'
35 Jts 2 3/8" 4.7# J-55 IPC		1,097.0'	1,104.0'
123 Jts 2 3/8" 4.7# Sealtite		3,820.0'	4,924.0'
1 4-1/2"x2-3/8" AS1 Ni-PKR		7.8'	4,931.8'
		.0'	4,931.8'
		.0'	4,931.8'
		.0'	4,931.8'
EOT			4,931.8'
Rods:	KB	7'	7'
			.0'

**Re-Perfs in Red**

	Perforation Intervals		SPF	Holes
Morrow	5,028'	- 5,036'	4	32
Morrow	5,025'	- 5,038'	4	52
	-			0
	-			0
	-			0
	-			0
	-			0
	-			0
	-			0
	-			0

PBTD: 5,061'  
TD: 5,100'

Last Edited  
TJS - 09/26/19

FOR Tyson Swinford  
 COMPANY Scout Energy  
 SUBJECT P&A BRU 26-3

PAGE \_\_\_\_\_  
 API # 15-129-10586  
 DATE 9/26/19  
 BY Ronnie Orr

Morton, KS Sec 16 33S-41W

P&A Procedure w/contract - Per Kenny Sullivan w/ KCC!

- 1) M IRU BO CSG & ths. NU BOP. work ths for Mechanical Free Point. RU Cement truck on 2 3/8 injection string. Pump 7/8 20 bbl Fresh water to establish injection rate & check 4 1/2 x 2 3/8 annulus for ths integrity. If no circulation Mix & pump 50 SKS Class "C" cement w/ 50# cotton seed hulls in last 25 SKS cement Displace to 3831. SI WOC.
- 2) Pressure test sg @ 500psi. RU wireline truck & cut 2 7/8 @ 2900, LO, jt. Circ 4 1/2 w/ mud & cap 2 3/8 stub w/ 20 SKS cement. POH.
- 3) ND BOP. weld on 4 1/2" pull sub. Pull slips & NU BOP cut & pull free pipe (7.2400)
- 4) TIT w/ ths & spot following cement plugs:
  - a) 1525' - 80 SKS Class "C" cement
  - b) 550' - 60 SKS cement
  - c) 64'-1' - 20 SKS cement
- 5) ROSU cut & cap well. Dig up rig anchors.

Cost

Rig 38 hrs @ 295 <sup>00</sup>	= 11,210 <sup>00</sup>
Cement & trucks (235 SKS) 2 setup,	= 7760 <sup>00</sup>
Mud Haul & returns (70 bbl)	= 1000 <sup>00</sup>
Cut ths & Cut Casings	= 6800 <sup>00</sup>
Backhoe, welder, water truck & BOP & 4 1/2 Tods	= 2500 <sup>00</sup>
	<u>29,270<sup>00</sup></u>

SALVAGE

3000' - 2 3/8 Seal tite Ths e. 50#H	= 1500 <sup>00</sup>	} \$4500 <sup>00</sup>
2400' - 4 1/2 CSG @ 125/ft	= 3000 <sup>00</sup>	

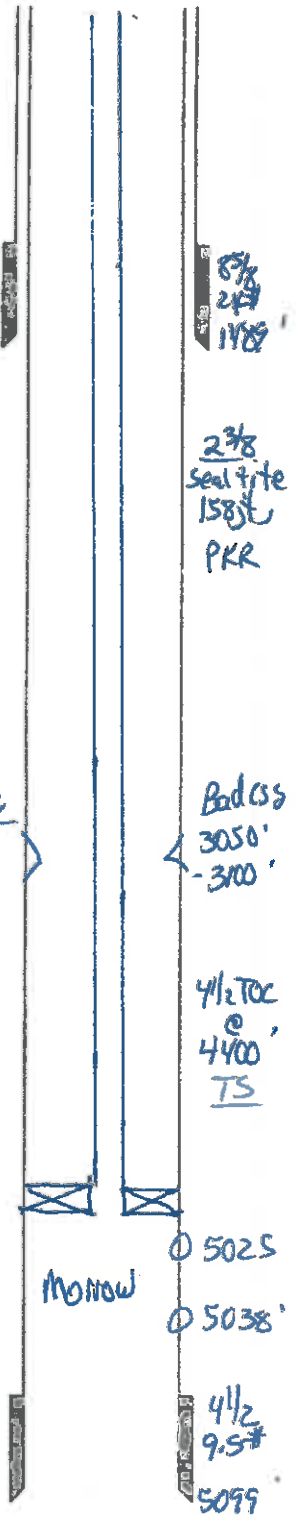
Net Cost -> \$24,770<sup>00</sup>

Useable Water @ 500'

Anhydrite @ 1422'

Ths stack

AS-1 @ 4931



Date : 10/25/2019 9:26:39AM

# ECONOMIC PROJECTION

Project Name : Exp of Q4 2018 Reserves - All Funds  
 Partner : All Cases  
 Case Type : LEASE CASE  
 Archive Set : 18Eng Submission

As Of Date : 01/01/2019  
 Discount Rate (%) : 10.00  
 BRU 26-3 Plug/Trailer

Case : BRU 26-3 Plug/Trailer  
 Reserve Cat. : Proved Non-Producing  
 Field : BERRYMAN  
 Operator : SCOUT ENERGY MANAGEMENT I  
 Reservoir : UPPER KEARNY MEMBER  
 Co., State : MORTON (KS), KS

Cum Oil (Mbbbl) : 5.79  
 Cum Gas (MMcf) : 0.00

Year	Gross Oil (Mbbbl)	Gross Gas (MMcf)	Net Oil (Mbbbl)	Net Gas (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	Oil Revenue (M\$)	Gas Revenue (M\$)	Misc. Revenue (M\$)
2019	1.48	0.00	1.17	0.00	51.08	0.00	59.83	0.00	0.00
2020	1.42	0.00	1.13	0.00	51.08	0.00	57.56	0.00	0.00
2021	1.35	0.00	1.07	0.00	51.08	0.00	54.61	0.00	0.00
2022	1.28	0.00	1.02	0.00	51.08	0.00	51.96	0.00	0.00
2023	1.22	0.00	0.97	0.00	51.08	0.00	49.43	0.00	0.00
2024	1.16	0.00	0.92	0.00	51.08	0.00	47.15	0.00	0.00
2025	1.10	0.00	0.88	0.00	51.08	0.00	44.73	0.00	0.00
2026	1.05	0.00	0.83	0.00	51.08	0.00	42.56	0.00	0.00
2027	1.00	0.00	0.79	0.00	51.08	0.00	40.49	0.00	0.00
2028	0.95	0.00	0.76	0.00	51.08	0.00	38.62	0.00	0.00
2029	0.90	0.00	0.72	0.00	51.08	0.00	36.64	0.00	0.00
2030	0.86	0.00	0.68	0.00	51.08	0.00	34.86	0.00	0.00
2031	0.82	0.00	0.65	0.00	51.08	0.00	33.16	0.00	0.00
2032	0.78	0.00	0.62	0.00	51.08	0.00	31.64	0.00	0.00
2033	0.74	0.00	0.59	0.00	51.08	0.00	30.01	0.00	0.00
Rem	2.26	0.00	1.79	0.00	51.08	0.00	91.55	0.00	0.00
<b>Total</b>	<b>18.36</b>	<b>0.00</b>	<b>14.58</b>	<b>0.00</b>	<b>51.08</b>	<b>0.00</b>	<b>744.81</b>	<b>0.00</b>	<b>0.00</b>
Ult	24.15	0.00							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2019	1.00	0.00	0.00	28.08	1.75	0.00	12.74	0.00	17.26	17.32
2020	1.00	0.00	0.00	6.24	7.18	0.00	12.25	0.00	31.89	44.85
2021	1.00	0.00	0.00	0.00	5.53	0.00	11.63	0.00	37.46	74.39
2022	1.00	0.00	0.00	0.00	5.53	0.00	11.06	0.00	35.37	99.74
2023	1.00	0.00	0.00	0.00	5.53	0.00	10.52	0.00	33.38	121.50
2024	1.00	0.00	0.00	0.00	5.53	0.00	10.04	0.00	31.59	140.21
2025	1.00	0.00	0.00	0.00	5.53	0.00	9.52	0.00	29.68	156.20
2026	1.00	0.00	0.00	0.00	5.53	0.00	9.06	0.00	27.97	169.89
2027	1.00	0.00	0.00	0.00	5.53	0.00	8.62	0.00	26.34	181.62
2028	1.00	0.00	0.00	0.00	5.53	0.00	8.22	0.00	24.87	191.69
2029	1.00	0.00	0.00	0.00	5.53	0.00	7.80	0.00	23.31	200.26
2030	1.00	0.00	0.00	0.00	5.53	0.00	7.42	0.00	21.91	207.59
2031	1.00	0.00	0.00	0.00	5.53	0.00	7.06	0.00	20.58	213.85
2032	1.00	0.00	0.00	0.00	5.53	0.00	6.73	0.00	19.38	219.20
2033	1.00	0.00	0.00	0.00	5.53	0.00	6.39	0.00	18.10	223.75
Rem.		0.00	0.00	0.00	18.73	0.00	19.49	0.00	53.32	10.97
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>34.32</b>	<b>99.51</b>	<b>0.00</b>	<b>158.55</b>	<b>0.00</b>	<b>452.42</b>	<b>234.72</b>

Major Phase : Oil  
 Perfs : 0 - 0  
 Initial Rate : 5.00 bbl/month  
 Abandonment : 50.79 bbl/month  
 Initial Decline : 4.87 % year b = 0.000  
 Beg Ratio : 0.000  
 End Ratio : 0.000

Abandonment Date : 5/25/2037  
 Working Int : 0.95945162  
 Revenue Int : 0.79412810  
 Disc. Initial Invest. (M\$) : 31.44  
 ROI Investment (disc/undisc) : 8.47 / 14.18  
 Years to Payout : 0.73  
 Internal ROR (%) : >1000

**Present Worth Profile (M\$)**

PW 5.00% :	315.24
PW 9.00% :	247.84
PW 10.00% :	234.72
PW 12.00% :	211.81
PW 15.00% :	184.10
PW 20.00% :	150.34

Date : 10/08/2019 3:54:03PM

# ECONOMIC PROJECTION

Project Name : Exp of Q4 2018 Reserves - All Funds  
 Partner : All Cases  
 Case Type : LEASE CASE  
 Archive Set : 18Eng Submission

As Of Date : 01/01/2019  
 Discount Rate (%) : 10.00  
 BRU 26-3 Plug

Case : BRU 26-3 Plug  
 Reserve Cat. : Proved Non-Producing  
 Field : BERRYMAN  
 Operator : SCOUT ENERGY MANAGEMENT I  
 Reservoir : UPPER KEARNY MEMBER  
 Co., State : MORTON (KS), KS

Cum Oil (Mbbbl) : 5.79  
 Cum Gas (MMcf) : 0.00  
 Cum NGL (Mbbbl) : 0.00

Year	Gross Oil (Mbbbl)	Gross Gas (MMcf)	Gross NGL (Mbbbl)	Net Oil (Mbbbl)	Net Gas (MMcf)	Net NGL (Mbbbl)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2019	1.48	0.00	0.00	1.17	0.00	0.00	51.08	0.00	0.00	59.83
2020	1.42	0.00	0.00	1.13	0.00	0.00	51.08	0.00	0.00	57.56
2021	1.35	0.00	0.00	1.07	0.00	0.00	51.08	0.00	0.00	54.61
2022	1.28	0.00	0.00	1.02	0.00	0.00	51.08	0.00	0.00	51.96
2023	1.22	0.00	0.00	0.97	0.00	0.00	51.08	0.00	0.00	49.43
2024	1.16	0.00	0.00	0.92	0.00	0.00	51.08	0.00	0.00	47.15
2025	1.10	0.00	0.00	0.88	0.00	0.00	51.08	0.00	0.00	44.73
2026	1.05	0.00	0.00	0.83	0.00	0.00	51.08	0.00	0.00	42.56
2027	1.00	0.00	0.00	0.79	0.00	0.00	51.08	0.00	0.00	40.49
2028	0.95	0.00	0.00	0.76	0.00	0.00	51.08	0.00	0.00	38.62
2029	0.90	0.00	0.00	0.72	0.00	0.00	51.08	0.00	0.00	36.64
2030	0.86	0.00	0.00	0.68	0.00	0.00	51.08	0.00	0.00	34.86
2031	0.82	0.00	0.00	0.65	0.00	0.00	51.08	0.00	0.00	33.16
2032	0.78	0.00	0.00	0.62	0.00	0.00	51.08	0.00	0.00	31.64
2033	0.74	0.00	0.00	0.59	0.00	0.00	51.08	0.00	0.00	30.01
<b>Rem</b>	2.26	0.00	0.00	-1.79	0.00	0.00	51.08	0.00	0.00	91.55
<b>Total</b>	18.36	0.00	0.00	14.58	0.00	0.00	51.08	0.00	0.00	744.81
<b>Ult</b>	24.15	0.00	0.00							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2019	1.00	0.00	0.00	23.03	1.75	0.00	12.74	0.00	22.32	22.00
2020	1.00	0.00	0.00	0.00	10.50	0.00	12.25	0.00	34.81	52.19
2021	1.00	0.00	0.00	0.00	10.50	0.00	11.63	0.00	32.49	77.80
2022	1.00	0.00	0.00	0.00	10.50	0.00	11.06	0.00	30.40	99.59
2023	1.00	0.00	0.00	0.00	10.50	0.00	10.52	0.00	28.41	118.11
2024	1.00	0.00	0.00	0.00	10.50	0.00	10.04	0.00	26.61	133.88
2025	1.00	0.00	0.00	0.00	10.50	0.00	9.52	0.00	24.71	147.18
2026	1.00	0.00	0.00	0.00	10.50	0.00	9.06	0.00	23.00	158.45
2027	1.00	0.00	0.00	0.00	10.50	0.00	8.62	0.00	21.37	167.96
2028	1.00	0.00	0.00	0.00	10.50	0.00	8.22	0.00	19.90	176.01
2029	1.00	0.00	0.00	0.00	10.50	0.00	7.80	0.00	18.34	182.76
2030	1.00	0.00	0.00	0.00	10.50	0.00	7.42	0.00	16.94	188.42
2031	1.00	0.00	0.00	0.00	10.50	0.00	7.06	0.00	15.60	193.17
2032	1.00	0.00	0.00	0.00	10.50	0.00	6.73	0.00	14.40	197.15
2033	1.00	0.00	0.00	0.00	10.50	0.00	6.39	0.00	13.12	200.45
<b>Rem.</b>		0.00	0.00	0.00	35.60	0.00	19.49	0.00	36.46	7.52
<b>Total</b>		0.00	0.00	23.03	184.35	0.00	158.55	0.00	378.88	207.97

Perfs :	Oil	Abandonment Date :	05/25/2037	<b>Present Worth Profile (M\$)</b>
Initial Rate :	0 - 0	Working Int :	0.95945162	
Abandonment :	5.00 bbl/month	Revenue Int :	0.79412810	
Initial Decline :	50.79 bbl/month	Disc. Initial Invest. (M\$) :	21.271	
Beg Ratio :	4.87 % year b = 0.000	ROInvestment (disc/undisc) :	10.78 / 17.45	
End Ratio :	0.000 Mcf/bbl	Years to Payout :	0.47	
	0.000 Mcf/bbl	Internal ROR (%) :	>1000	

PW 5.00% :	271.98
PW 9.00% :	218.49
PW 10.00% :	207.97
PW 12.00% :	189.50
PW 15.00% :	166.96
PW 20.00% :	139.14

Date : 10/08/2019 3:53:55PM

# ECONOMIC PROJECTION

Project Name : Exp of Q4 2018 Reserves - All Funds  
 Partner : All Cases  
 Case Type : LEASE CASE  
 Archive Set : 18Eng Submission

As Of Date : 01/01/2019  
 Discount Rate (%) : 10.00  
 BRU 26-3 Fix

Case : BRU 26-3 Fix  
 Reserve Cat. : Proved Non-Producing  
 Field : BERRYMAN  
 Operator : SCOUT ENERGY MANAGEMENT I  
 Reservoir : UPPER KEARNY MEMBER  
 Co., State : MORTON (KS), KS

Cum Oil (Mbbbl) : 5.79  
 Cum Gas (MMcf) : 0.00  
 Cum NGL (Mbbbl) : 0.00

Year	Gross Oil (Mbbbl)	Gross Gas (MMcf)	Gross NGL (Mbbbl)	Net Oil (Mbbbl)	Net Gas (MMcf)	Net NGL (Mbbbl)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2019	1.48	0.00	0.00	1.17	0.00	0.00	51.08	0.00	0.00	59.83
2020	1.42	0.00	0.00	1.13	0.00	0.00	51.08	0.00	0.00	57.56
2021	1.35	0.00	0.00	1.07	0.00	0.00	51.08	0.00	0.00	54.61
2022	1.28	0.00	0.00	1.02	0.00	0.00	51.08	0.00	0.00	51.96
2023	1.22	0.00	0.00	0.97	0.00	0.00	51.08	0.00	0.00	49.43
2024	1.16	0.00	0.00	0.92	0.00	0.00	51.08	0.00	0.00	47.15
2025	1.10	0.00	0.00	0.88	0.00	0.00	51.08	0.00	0.00	44.73
2026	1.05	0.00	0.00	0.83	0.00	0.00	51.08	0.00	0.00	42.56
2027	1.00	0.00	0.00	0.79	0.00	0.00	51.08	0.00	0.00	40.49
2028	0.95	0.00	0.00	0.76	0.00	0.00	51.08	0.00	0.00	38.62
2029	0.90	0.00	0.00	0.72	0.00	0.00	51.08	0.00	0.00	36.64
2030	0.86	0.00	0.00	0.68	0.00	0.00	51.08	0.00	0.00	34.86
2031	0.82	0.00	0.00	0.65	0.00	0.00	51.08	0.00	0.00	33.16
2032	0.78	0.00	0.00	0.62	0.00	0.00	51.08	0.00	0.00	31.64
2033	0.74	0.00	0.00	0.59	0.00	0.00	51.08	0.00	0.00	30.01
<b>Rem</b>	<b>2.26</b>	<b>0.00</b>	<b>0.00</b>	<b>1.79</b>	<b>0.00</b>	<b>0.00</b>	<b>51.08</b>	<b>0.00</b>	<b>0.00</b>	<b>91.55</b>
<b>Total</b>	<b>18.36</b>	<b>0.00</b>	<b>0.00</b>	<b>14.58</b>	<b>0.00</b>	<b>0.00</b>	<b>51.08</b>	<b>0.00</b>	<b>0.00</b>	<b>744.81</b>
<b>Ult</b>	<b>24.15</b>	<b>0.00</b>	<b>0.00</b>							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2019	1.00	0.00	0.00	95.95	0.00	0.00	12.74	0.00	-48.85	-43.76
2020	1.00	0.00	0.00	0.00	0.00	0.00	12.25	0.00	45.31	-4.46
2021	1.00	0.00	0.00	0.00	0.00	0.00	11.63	0.00	42.99	29.43
2022	1.00	0.00	0.00	0.00	0.00	0.00	11.06	0.00	40.90	58.75
2023	1.00	0.00	0.00	0.00	0.00	0.00	10.52	0.00	38.91	84.10
2024	1.00	0.00	0.00	0.00	0.00	0.00	10.04	0.00	37.11	106.09
2025	1.00	0.00	0.00	0.00	0.00	0.00	9.52	0.00	35.21	125.05
2026	1.00	0.00	0.00	0.00	0.00	0.00	9.06	0.00	33.50	141.45
2027	1.00	0.00	0.00	0.00	0.00	0.00	8.62	0.00	31.87	155.64
2028	1.00	0.00	0.00	0.00	0.00	0.00	8.22	0.00	30.40	167.94
2029	1.00	0.00	0.00	0.00	0.00	0.00	7.80	0.00	28.84	178.55
2030	1.00	0.00	0.00	0.00	0.00	0.00	7.42	0.00	27.44	187.72
2031	1.00	0.00	0.00	0.00	0.00	0.00	7.06	0.00	26.10	195.66
2032	1.00	0.00	0.00	0.00	0.00	0.00	6.73	0.00	24.90	202.54
2033	1.00	0.00	0.00	0.00	0.00	0.00	6.39	0.00	23.62	208.48
<b>Rem.</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>19.49</b>	<b>0.00</b>	<b>72.06</b>	<b>14.80</b>
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>95.95</b>	<b>0.00</b>	<b>0.00</b>	<b>158.55</b>	<b>0.00</b>	<b>490.31</b>	<b>223.28</b>

Perfs :	Oil	Abandonment Date :	05/25/2037	<b>Present Worth Profile (M\$)</b>
Initial Rate :	0 - 0	Working Int :	0.95945162	
Abandonment :	5.00 bbl/month	Revenue Int :	0.79412810	
Initial Decline :	50.79 bbl/month	Disc. Initial Invest. (M\$) :	88.628	
Beg Ratio :	4.87 % year b = 0.000	ROI Investment (disc/undisc) :	3.52 / 6.11	
End Ratio :	0.000 Mcf/bbl	Years to Payout :	2.08	
	0.000 Mcf/bbl	Internal ROR (%) :	>1000	



**Lease & Well No.** Berryman Richfield Unit 26-3  
**Field Name** Morrow  
**Location - Legal** 3300' FSL & 1980' FEL Sec 16-T33S-R41W  
**Location - GPS** \_\_\_\_\_

**Former Name** \_\_\_\_\_  
**County & State** Morton, Kansas  
**API No.** 15-129-10586

**K.B. Elevation** 3,429'  
**D.F. Elevation** \_\_\_\_\_  
**Ground Level** 3,422'

Surface Casing					
Size	8 5/8"	Weight	24#	Depth	1,489'
Grade	J-55	Sx. Cmt.	650 sx	TOC @	Surface
Drilled	12 1/4"				

Intermediate Casing					
Size	_____	Weight	_____	Depth	_____
Grade	_____	Sx. Cmt.	_____	TOC @	_____
Drilled	_____				

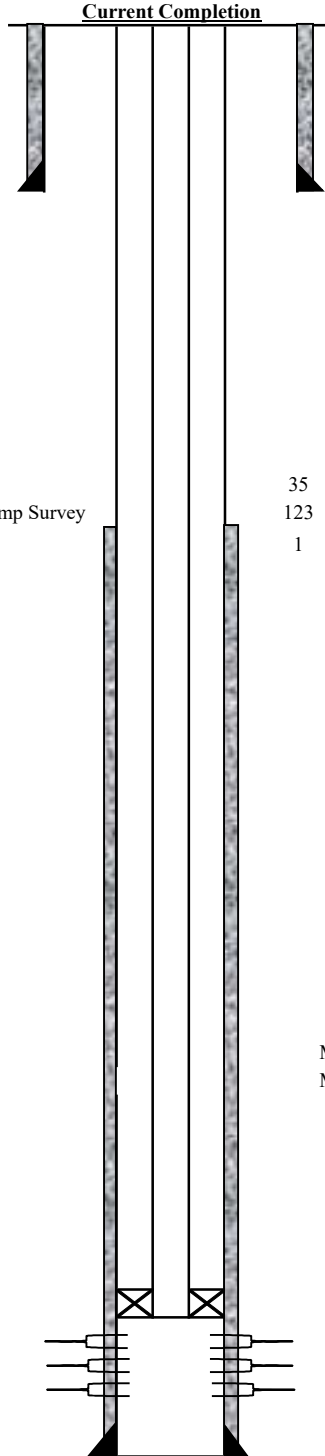
Production Casing					
Size	4 1/2"	Weight	9.5#	Depth	5,099'
Grade	J-55	Sx. Cmt.	150 sx	TOC @	4,400'
Drilled	7 7/8"				

**Well History**

**Spud Date:** 8/15/1962  
**Completion Date:** 8/30/1962

Originally completed to the Morrow Sandstone. Converted to an injection well 12/5/1975. 3 Squeezes have been performed. 04/02/07 - 200 Sxs @ 3010'-41', 53 sxs @ 4319'-50'. 04/06/07 Balanced Cmt plug @ 3216'-81'.

TOC - Temp Survey @ 4,400'



**Production Test:**  
Oil - BBLs  
Gas - MCF  
Water - BBLs

**Unit:**  
**SL:**  
**SPM:**

**Artificial Lift Method:**

**Production Equipment**

	Tbg:	KB	7'	7'
35	Jts 2 3/8" 4.7# J-55 IPC	1,097.0'	1,104.0'	
123	Jts 2 3/8" 4.7# Sealite	3,820.0'	4,924.0'	
1	4-1/2"x2-3/8" AS1 Ni-PKR	7.8'	4,931.8'	
		.0'	4,931.8'	
		.0'	4,931.8'	
	EOT		4,931.8'	
	Rods:	KB	7'	7'
				.0'

**Re-Perfs in Red**

	Perforation Intervals		SPF	Holes
Morrow	5,028'	- 5,036'	4	32
Morrow	5,025'	- 5,038'	4	52
	-	-		0
	-	-		0
	-	-		0
	-	-		0
	-	-		0
	-	-		0
	-	-		0
	-	-		0

PBTD: 5,061'  
TD: 5,100'

Last Edited  
TJS - 09/11/19

October 31, 2019

Tyson Swinford  
Scout Energy Management LLC  
4901 LBJ FREEWAY SUITE 300  
DALLAS, TX 75244

Re: Plugging Application  
API 15-129-10586-00-01  
BERRYMAN RICHFIELD UNIT 26 3  
NE/4 Sec.16-33S-41W  
Morton County, Kansas

Dear Tyson Swinford:

The Conservation Division has received your Well Plugging Application (CP-1).

**Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 1 of your proposed plugging plan at least 5 days before plugging the well.** DISTRICT 1's phone number is (620) 682-7933. Failure to notify DISTRICT 1, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

**Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well.** Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after April 28, 2020. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

**The April 28, 2020 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff.** Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,  
Production Department Supervisor

cc: DISTRICT 1