

K N PRODUCTION COMPANY  
SUMMARY OF  
DAILY COMPLETION REPORTS

<b>WELL NAME:</b>	BANEY STATE 16-3
<b>LEGAL DESCRIPTION:</b>	NE¼NW¼ Sec 16-18N-53W
	Logan County, Colorado
<b>COMPLETED FORMATION:</b>	D-1 Sand

<b>Date:</b>	93.0419	<b>DCC:</b>	\$320.00
<b>Days on Location:</b>	1	<b>TCC:</b>	\$320.00

**Remarks:** MI Baney Well Service rig. Too windy to rig up. Welded straps across bradenhead cap. Cut off 5½" casing and welded on bell nipple. Moved 2-7/8" tubing to location from Baney State 16-77. SD

<b>Date:</b>	93.0420	<b>DCC:</b>	\$13,025.00
<b>Days on Location:</b>	2	<b>TCC:</b>	\$13,345.00

**Remarks:** PU 5½" casing scraper, TIH to 4,983' PBTD. Reverse hole clean POH. Swab casing dry to 4980'. Dump in 40 bbls produced water. SDFN

<b>Date:</b>	93.0421	<b>DCC:</b>	\$18,565.00
<b>Days on Location:</b>	3	<b>TCC:</b>	\$31,910.00

**Remarks:** Perforate D-1 sand 4793'-97' w/4 spf (16-3/4" holes). TIH w/Model "R" double grip packer. Set packer @ 4750'. Swabbed from packer as follows:

9-10 AM rec 10 bbls; 60% oil, 40% water  
10-11 AM rec 8 bbls; 96% oil, 4% water  
11-12 AM rec 8 bbls; 100% oil, trace of water  
12-12:45 rec 6 bbls; 100% oil, trace of water  
1- 2 PM rec 6 bbls; 100% oil, trace of water (two runs)  
2- 3 rec 18 bbls  
3- 4 rec 10 bbls  
4- 5 rec 7 bbls  
5- 6 rec 8 bbls cut 10% water

Released packer, swabbed out water from annulus. NOTE: 100% oil sample in centrifuge shows 10% water.

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Date: 93.0422 DCC:  
Days on Location: 4 TCC:

Remarks: 13 hours SI. 30% csg, 20# tbg. 4200' FL coming out of hole with tubing. Run back prod string with rods.

Baker anchor catcher, ran 143 more jts tubing, total 147 jts of 2-7/8" tubing. Seating nipple at 4,811; bottom of mud anchor 4,836; tubing anchor 4,685. Set anchor with 26" of strain. Set slips. All of these figures are with anchor set.

Ran 12' strainer nipple, 2½ by 1½ by 16' BHD pumps. Ran 134 3/4 sucker rods.  
Ran 57 7/8 sucker rods, one 8' by 7/8 rod sub, one 2' rod sub, 22' 1¼" polish rod with 10' 1½" polish rod liner. Space pump 18" off bottom. Rig down.

Incurred the following:

\$ 234.00	Flow T etc., transferred from Baney State 16-7
\$4,546.00	WB Pump Supply
\$2,009.00	7/8 sucker rods (KNPC stock from Trinidad)
\$ 955.00	ATSCO (Pump and Anchor)
\$1,150.00	Baney Well Service for the rig
\$ 340.00	Jerry Gardner

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Date: 93.0429 DCC \$ 5,235.00  
TCC: \$46,379.00

Remarks: Strung flowline from well to TB w/1" ppolyethylene fuel gas return. Shot static fluid level. Found fluid 116 jts down (3789' from surface) 20# SICP; reservoir pressure 377 psig.

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Date: 93.0501 DCC  
TCC:

Remarks: Started well pumping @ 2:00 P.M. 04/30/93. P/13 hrs, filled tbg and flowline + 44 BO.

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Date: 93.0502 DCC  
TCC:

Remarks: P/24 hrs - 91 BO + 6 BW; venting 15± mcf/d

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Date: 93.0503 DCC  
TCC:

Remarks: P/24 hrs - 92 BO + 11 BW; venting 15± mcf/d

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Date:

93.0504

DCC  
TCC:

Remarks: P/24 hrs - 90 BO + 7 BW; venting 15± mcf/d

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Date:

93.0505

DCC  
TCC:

Remarks: P/24 hrs - 93 BO + 8 BW. No problem with gas. Running our own. (#16-2 shut in 24 hrs)

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Date:

93.0506

DCC  
TCC:

Remarks: P/24 hrs - 97 BO + 7½ BW. (#16-2 shut in 48 hrs)

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Date:

93.0507

DCC  
TCC:

Remarks: P/24 hrs - 100 BO + 7½ BW. Working fluid level 129 jts down (4205'±) 0# CP. (#16-2 shut in 72 hrs)

**FINAL REPORT**

# K N PRODUCTION COMPANY SUMMARY OF DAILY DRILLING REPORTS

<b>WELL NAME:</b>	BANEY STATE 16-3	
<b>LEGAL DESCRIPTION:</b>	NE¼NW¼ Sec 16-18N-53W	Logan Cty, CO
<b>DRLG CO &amp; RIG NO:</b>	GEAR DRILLING COMPANY RIG #3	
<b>PROPOSED FORMATION:</b>	D Sand	

<b>Date:</b>	93.0407	<b>Operation:</b>	WOC
<b>Time:</b>	8:30 a.m.	<b>Days on Location:</b>	2
<b>Depth Today:</b>	530'	<b>Total Footage:</b>	530'
<b>DWC:</b>	\$9,391	<b>DMC:</b>	
<b>TWC:</b>	\$9,391	<b>TMC:</b>	

Surveys: 1/2° @ 530'

BITS								
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM
1	12-1/4		530'		0	530'		

Remarks: Spud at 10 p.m., 04/06/93. Ran 8-5/8" 24#/ft csg to 529' KB. Cmt'd with 325 sx Class "G" w/3% Cacl. PD @ 8 am. Good returns to surface.

<b>Date:</b>	93.0408	<b>Operation:</b>	TESTING BOP
<b>Time:</b>		<b>Days on Location:</b>	3
<b>Depth Today:</b>	2400'	<b>Total Footage:</b>	1870'
<b>DWC:</b>	\$15,370	<b>DMC:</b>	
<b>TWC:</b>	\$24,701	<b>TMC:</b>	

Surveys: 1/2° @ 1006'      1/2° @ 1527'      3/4° @ 2020'

BITS								
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM
1	12-1/4		530'		0	530'		
2	7-7/8				530'			

Remarks: Test BOP: Blind rams to 800# for 8 min. Pipe rams to 500# for 5 min. Drilled out shoe. Drilled 1870' of shale with native mud.

Date: 93.0409  
 Time:  
 Depth Today: 4375'  
 DWC: \$16,140  
 TWC: \$40,841

Operation: CIRC  
 Days on Location: 4  
 Total Footage: 1975'  
 DMC:  
 TMC:

Surveys: 1' @ 2514' 1' @ 3007' 1/2' @ 3656'

BITS								
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM
1	12-1/4		530'		0	530'		
2	7-7/8		3845'		530'	4375'		
3	7-7/8				4375'			

Remarks: Circ before bit trip.

Date: 93.0410  
 Time:  
 Depth Today: 4794'  
 DWC: \$ 3,692  
 TWC: \$44,533

Operation: POOH  
 Days on Location: 5  
 Total Footage: 419'  
 DMC:  
 TMC:

BITS								
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM
1	12-1/4		530'		0	530'		
2	7-7/8		3845'		530'	4375'		
3	7-7/8				4375'			

  

MUD PROPERTIES/MIXED										
TYPE	WT	VIS	WL	pH	Ca	Chl	PV/YP	GELS	SOLIDS	LCM
	8.9	41	10							

Remarks: POOH for DST #1. Drld through D-1 sd. Circ hole clean.

Date: 93.0411  
 Time:  
 Depth Today: 4970'  
 DWC: \$ 5,629  
 TWC: \$50,162

Operation: DRLG  
 Days on Location: 6  
 Total Footage: 176'  
 DMC:  
 TMC:

BITS										
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM		
1	12-1/4		530'		0	530'				
2	7-7/8		3845'		530'	4375'				
3	7-7/8				4375'					

  

MUD PROPERTIES/MIXED										
TYPE	WT	VIS	WL	pH	Ca	Chl	PV/YP	GELS	SOLIDS	LCM
	9.0	44	9.2							

**Remarks:** Conduct DST #1 4788-4794. Tool plugged - misrun. TIH w/bit, drlg ahead.

Date: 93.0412  
 Time:  
 Depth Today: 5000'  
 DWC: \$41,963  
 TWC: \$92,125

Operation: CMT CSG  
 Days on Location: 7  
 Total Footage: 30'  
 DMC:  
 TMC:

BITS										
NO.	SIZE	TYPE	FOOTAGE	HOURS	IN	OUT	WT	RPM		
1	12-1/4		530'		0	530'				
2	7-7/8		3845'		530'	4375'				
3	7-7/8		625'		4375'	5000'				

**Remarks:** Drld to TD. POOH. Ran Schlumberger logs. TIH to condition mud. POOH. Ran 119 jts new 5-1/2" 14#/ft csg to 5000' as follows:

Guide shoe, 19' shoe jt, float collar, 6 full size jts, flag jt then full size jts to surface. Centralized on shoe jt and every other jt above for a total of 7 centralizers. Cemented w/110 sx 50-50 Pozmix followed by 125 sx Class "G". Bumped plug w/1500#. Released pressure after 4 min. Plug held ok. Set slips w/20,000#.

PBTD 4981' KB. RR 10:30 AM 04/12/93.