ORIGINAL

11/23/12

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 9232
Name: Timberline Oil & Gas Corporation
Address: 4000 Penrose Place
City/State/Zip: Rapid City, SD 57702
Purchaser: Parnon
Operator Contact Person: Brant C. Grote
Phone: (605) 341-3400
Contractor: Name: Ninnescah Drilling LLC
License: 34541
Wellsite Geologist: None

Designate Type of Completion:
X New Well ___ Re-Entry ___ Workover
X Oil ___ SWD ___ SIOW ___ Temp. Abd.
___ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: ___
Well Name: ___
Original Comp. Date: ___ Original Total Depth: ___
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No. ___
___ Dual Completion Docket No. ___
___ Other (SWD or Enhr.?) Docket No. ___

7/29/11	8/2/11	10/24/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15 - 151-22379 · 00 · 00
County: Pratt
N2 - N2 NW Sec. 36 Twp. 26 S. R. 13 ☐ East ☒ West
330 feet from S / (N) (circle one) Line of Section
1490 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Sanders Well #: 1
Field Name: Iuka Carmi
Producing Formation: Viola
Elevation: Ground: 1922 Kelly Bushing: 1935
Total Depth: 4352 Plug Back Total Depth: 4233
Amount of Surface Pipe Set and Cemented at 8 jts 312' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from ___
feet depth to ___ w/ ___ sx cmt.

Drilling Fluid Management Plan AHINJ 12-5-11
(Data must be collected from the Reserve Pit)
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used ___
Location of fluid disposal if hauled offsite:
Operator Name: ___
Lease Name: ___ License No.: ___
Quarter ___ Sec. ___ Twp. ___ S. R. ___ East West
County: ___ Docket No.: ___

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [signature]
Title: President Date: 11-16-11
Subscribed and sworn to before me this 16th day of November, 2011.
Notary Public: [signature]
Date Commission Expires: 3/30/16

SEAL
TRUDY K. SCHREINER
NOTARY PUBLIC
State of South Dakota

KCC Office Use ONLY
✓ 11.23.11 - 11.23.12
✓ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: ___
✓ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

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Side Two

Operator Name: Timberline Oil & Gas Corporation Lease Name: Sanders Well #: 1

Sec. 36 Twp. 26 S. R. 13 East (West) County: Pratt

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes (No)
(Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes No

Cores Taken Yes (No)

Electric Log Run (Yes) No
(Submit Copy)

List All E. Logs Run:
Dual Induction
Compensated Neutron Density

Log Formation (Top), Depth and Datum		Sample
Name	Top	Datum
Heebner	3510	-1575
Brown Lime	3726	-1791
Viola	4216	-2281
Simpson	4264	-2329

CASING RECORD New Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8	24#	312'	Class A	225	
Production		5 1/2	14#	4196'	60-40	250	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
Open Hole	4196-4233' open hole	1500g 15% HCL	
		Frac 19,800# sand, 492 bbl 25# X-linked	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4097		Yes (No)

Date of First, Resumed Production, SWD or Enhr.	Producing Method
9/1/11	Flowing (Pumping) Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	15	20	16	1336	40

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease (Open Hole) Perf. Dually Comp. ☐ Commingled
(If vented, Sumit ACO-18.) ☐ Other *(Specify)*

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ALLIED CEMENTING CO., LLC. 040239

SERVICE POINT: Medicine Lodge Ks

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7-22-11	36	26S	13W	11:00 pm	1:00 pm	2:00 pm	2:30 pm
LEASE Stubbers	WELL # 1	LOCATION Iuka, Ks 1 north, 2 west south into				COUNTY Pratt	STATE Ks

OLD OR NEW (Circle one)

CONTRACTOR Nomad Drilling
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 330'
CASING SIZE 8 5/8 DEPTH 324'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 19 3/4 bbls fresh water

OWNER Timberline

CEMENT
AMOUNT ORDERED 200 sx Class A 3% cc 2% Gel

COMMON	200 sx	@ 16.25	3250.00
POZMIX		@	
GEL	4 sx	@ 21.25	85.00
CHLORIDE	7 sx	@ 58.20	407.4
ASC		@	
HANDLING	211	@ 2.25	474.7
MILEAGE	3165 / .16		348.1
		TOTAL	4565.3

EQUIPMENT

PUMP TRUCK # 471-302 CEMENTER Cesi B, Jon B.
HELPER Darin E.
BULK TRUCK # 421-252 DRIVER Cesi B.
BULK TRUCK # DRIVER

REMARKS:

Pipe on bottom & break circulation. Pump 3 bbls water ahead, mix 200 sx of cement, shut down, release plug, start displacement, pump 19 3/4 bbls of fresh water, shut in. Cement circulated to cellar

SERVICE

DEPTH OF JOB	324'		
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	30	@ 7.00	210.00
MANIFOLD		@	
Head rental		@	200.00
Light Vehicle	30	@ 4.00	120.00
		TOTAL	1655.00

CHARGE TO: Timberline
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8		
1-Wooden Plug	@	92.00
	@	
	@	
	@	
	@	
	TOTAL	92.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 6312.30
DISCOUNT IF PAID IN 30 DA

PRINTED NAME X Ed Harger

SIGNATURE X

Thank you!!!

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ALLIED CEMENTING CO., LLC. 037675

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-19-11	36	26S	13W		9:00 AM		3:00 pm

LEASE Sonder WELL # 1 LOCATION Iuka, Blacktop 2 east 3/S COUNTY Pratt STATE Kansas

OLD OR NEW (Circle one)

CONTRACTOR Amigos well service OWNER Timberline Oil + Gas

TYPE OF JOB squeeze

HOLE SIZE T.D.
CASING SIZE 5½ DEPTH 4195'
TUBING SIZE 2 7/8 DEPTH 4161'
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 2000 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 6½ Bbls

EQUIPMENT

PUMP TRUCK # 414-302 CEMENTER Carl Balding
HELPER Ron Gilley
BULK TRUCK # 364 DRIVER Dave Felio
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 125 sx Class A Neat

COMMON A	125 sx	@ 16.25	2031.25
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
HANDLING	125	@ 2.25	281.25
MILEAGE	125/.11/15	(Min)	344.00

TOTAL 2656.50

REMARKS:

4251' TD Casing 4195' Packer 4161' Load annulus - 500 psi. Take inj Rate 2 BPM 800 Mix 125 sx Class A Neat wash pump lines Start Displacement 1% out 500 psi Have Gradual psi increase to 1400 psi with 6½ Bbls out. Release Pressure w/no Returns Reverse out w/36 Bbls, set Packer. + Stage in. up to 2000 psi. Pull 5 Joints set Packer Shut in w/500 psi.

SERVICE

DEPTH OF JOB	4251'		
PUMP TRUCK CHARGE			1050.00
EXTRA FOOTAGE		@	
MILEAGE	30	@ 7.00	210.00
MANIFOLD Square Manifold			250.00
Light Vehicle	30	@ 4.00	120.00

TOTAL 1630.00

CHARGE TO: Timberline

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

X

TOTAL

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 4286.50
DISCOUNT 20% IF PAID IN 30 DAYS
NET 3429.20

PRINTED NAME

SIGNATURE

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ALLIED CEMENTING CO., LLC. 040755

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge

DATE 8-3-11	SEC. 36	TWP. 26s	RANGE 13w	CALLED OUT	ON LOCATION	JOB START 5:00am	JOB FINISH 6:00am
LEASE Sanders	WELL # 1		LOCATION Zenda KS, 1 north, 2 East, 5 N to			COUNTY Pratt	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Pinnacle
TYPE OF JOB Production
HOLE SIZE 7 7/8 T.D. 4339'
CASING SIZE 5 1/2 DEPTH 4332'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1700 psi MINIMUM
MEAS. LINE SHOE JOINT 10'
CEMENT LEFT IN CSG. 10'
PERFS.
DISPLACEMENT 105 1/2 bbls H2O

OWNER Timberline

CEMENT
AMOUNT ORDERED 200sx 60:40:6%gel
75sx class A ASC + 5#Kol-seal
500gal mud clean

COMMON	120 class A	@ 16.25	1950.
POZMIX	80	@ 8.50	680.
GEL	10	@ 21.25	212.50
CHLORIDE		@	
ASC	Class A 75	@ 15.—	1125.—
Kol-seal	375	@ .89	333.75
mud clean	500 gal	@ 1.27	635.—
50% HANDLING	293	@ 2.25	659.25
50% MILEAGE	293/15/.11		483.45
		TOTAL	6078.95

EQUIPMENT

PUMP TRUCK # 340/265 CEMENTER Neil Thomas
HELPER Joan Thomas
BULK TRUCK # 363/290 DRIVER Kevin W (G.B.)
BULK TRUCK # DRIVER

REMARKS:

Brk circ. with RIG pump, full through pump 500gal mud clean
mix 25sx for rat hole 375 / 15 sx mouse cement
mix 75sx tail cement shut down, wash pump & lines
Release plug displace 105 1/2 bbls H2O
bump plug 1000psi to 1700psi
plug held pressure up to 400psi
Sutin

SERVICE

DEPTH OF JOB 4332'			
PUMP TRUCK CHARGE			2405.—
EXTRA FOOTAGE		@	
50% MILEAGE	30	@ 7.—	210.—
50% MANIFOLD	Head rental	@ 200.00	200.00
50% light vehicle	30	@ 4.—	60.—
		TOTAL	2875.—

CHARGE TO: Timberline
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

5 1/2

1-AFU Guide shoe	@ 240.	240.—
1-Latch down Plug	@ 377.	377.—
6-turbolizers	@ 80.	480.—
1-basket	@ 337.	337.—
	TOTAL	1334.—

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 10347.95
DISCOUNT 3005.16 IF PAID IN 30 DAY
Net 7342.79 25% 5DT

PRINTED NAME T. Hargrave

SIGNATURE

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