



Well History

Well Name: State Corsair 23-36

API 05123219650000		Surface Legal Location NESW 36 4N 68W		Field Name Wattenberg		State CO		Well Configuration Type Vertical			
Ground Elevation (ft) 5,000.00		Original KB Elevation (ft) 5,010.00		KB-Ground Distance (ft) 10.00		Spud Date 3/20/2004 00:00		Rig Release Date 3/24/2004 00:00		On Production Date 4/29/2004	

Job

Drilling - original, 3/20/2004 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 3/20/2004	End Date 3/24/2004	Objective Drill a Codell Well
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Daily Operations

Start Date	Summary	End Date
3/20/2004	Caza Rig #1: MIRU. Drill rat and mouse holes and spud 12 1/4" hole at 10 PM.	
3/21/2004	Caza Rig #1: TD 12 1/4" hole at 410' at 4:45 AM. Condition the mud and circulate the hole. Make a wiper trip, condition, and circulate the hole until 6:45 AM. Trip out by 7:45 AM and ran 9 joints of new, 24#, J-55, 8 5/8" casing to 390'. Set at 400'. Rig up Cementer's Well Service and pumped 225 sacks of Class G cement +3% CaCl ₂ + 1/4# flake per sack. Plug down at 9:15 AM. Wait on cement and repair rig. Wash out mouse hole at 11:15 PM and began trip in hole with 7 7/8" bit.	
3/22/2004	Caza Rig #1: Finish testing BOP at 12:15 AM and began drilling cement plug and shoe with 7 7/8" bit. At 1447' at 6 AM and drilling 7 7/8" hole. Last survey: 1.25 degrees at 1196'.	
3/23/2004	Caza Rig #1: At 4948' at 6 AM and drilling 7 7/8" hole. Last survey: 1 degree at 3440'.	
3/24/2004	Caza Rig #1: At 7060' at 6 AM and drilling 7 7/8" hole. Last survey: 1 degree at 6000'.	
3/24/2004	Caza Rig #1: TD 7 7/8" hole at 7560' at 2:00 PM. Circulate the hole and short trip. Circulate and condition the mud and began laying down drill string at 4:45 PM. Out of the hole at 10 PM, MIRU Phoenix Surveys Inc. Ran Comp Density/Comp Neutron/Dual Induction log finding a LTD of 7543' KB. RU casing crew and ran Topco Auto Fill Guide Shoe, 14.50' shoe joint, 176 joints of 10.5 #/ft, 8RD, M-65, 4 1/2" casing and 1 joint of 11.6 #/ft, M-80 on top of casing string. Casing set @ 7535.19'. PBTD @ 7520.69'. Circulated hole once casing was set for 30 minutes prior to cementing. RU BJ Services and pumped 10 bbls of claytreat water, 20 bbl mud flush, 10 bbls claytreat water and 54.1 bbls (190 sx, 304 cf) of 50/50 Poz, 35% Silica Flour, 5#/sk CSE, 0.4% FL-52, 0.3% CD-32, 0.1% SMS, and 0.05 lbs/sack Static Free, shut-down, wash up cement pump & lines to the pit, released wiper plug and displaced with 120.0 bbls treated water. Plug down OK @ 7:00 a.m. 3/25/04. Bumped plug with 2400 psi @ 2.5 bpm, shut down - watched psi stabilize at 2400 psi, released psi to BJ inventory tanks and tested plug & lowered casing & slips. Released rig @ 8:00 a.m.	

Initial Completion, 4/2/2004 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 4/2/2004	End Date 10/28/2005	Objective Complete a Codell Well
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Daily Operations

Start Date	Summary	End Date
4/2/2004	MIRU BJ Service. Frac'd the Codell with 2675 bbl Vistar 20# fluid, 217180# of 20/40 mesh white sand and 8000# of 20/40 mesh Super LC resin sand. Perfs @ 7336' to 7344' KB. Breakdown @ 2907 psig; MTP - 3678 psig; ATP - 3152 psig; AIR - 15.9; stage sand @ 1-4 ppg; ISIP - 3240 psig; flush with 117 bbl. Open well to tank on a 20/64 choke.	
10/28/2004	Installed Dual Stage Plunger System. Set tool at 4,100'.	

Wellbore Integrity, 4/2/2014 06:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 4/2/2014	End Date	Objective 5K Wellhead, Pull TBG, Set RBP
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Daily Operations

Start Date	Summary	End Date
4/2/2014	ITP 200 psi, iCP 200 psi, on blow down through production equipment, SSCP 0 psi, MIRU Bayou 007, held safety meeting, RU rig and all equipment, pressure tested hard lines, blew well down to rig tank, control well w/60 bbls Claytreat/Biocide water, function tested BOP's, ND WH, NU BOP, PU tag jts, TIH w/ 4 jts, no tag @ 7,461.43', LD tag jts, POOH w/production tbg to derrick w/ 230 jts 2 3/8" J-55 EUE 8rd tbg, no subs, sn/hc, tbg was landed at 7,336.03' KB, held safety meeting, RU Pick Testers, PU STS's 3 7/8" blade git - 4 1/2" csg scraper, TIH w/production tbg from derrick testing to 6000 psi, found no bad jts, all jts tested good, RD tester, circulated down to 7,461.43' KB and tools w/234 jts, rolled hole clean, LD tag jts, LD 12 jts onto ground, POOH w/218 jts of tbg to derrick, SI and isolated well, shut and locked blind rams on BOP's, drained lines and pump, prepared for next day operations, SDFN.	4/2/2014
4/3/2014	SCP 0 psi, STP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, held safety meeting, PU STS's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,972.10' KB and tools w/219 jts 10' out (67.90' above top of Niobrara formation), LD 1 jt, circulated oil and gas out, pressure tested csg/RBP to 2000 psi, test good, POOH LD w/4 jts spotted 2 sks of sand, LD 5 more jts onto ground, LD a total of 21 jts onto ground, Landed well w/ 209 jts 2 3/8" tubing @ 6,656.12'. installed 5K WH. SI and isolate well, drained lines and pump, racked pump and tank, RDMOL	4/3/2014
4/3/2014		4/4/2014
5/9/2014	STP-0, SCP-0, ISCP-0. held safety meeting, MIRU Ensign 314. held safety meeting, RU rig and all equipment, pressure tested hard lines, opened well to rig tank, function tested BOP's, ND WH, NU BOP's, held safety meeting, PU 10 jts. and tagged sand @ 6,963.10'. RU circ. equip., TIW valve and tubing swivel. Broke circ. and washed down latching onto RBP @ 6,972.10' w/ 219 jts. RD circ. equip. and released RBP. check for trapped pressure, well started to flow, flowed well back to rig tank for 10 mins, broke circulation, rolled hole for one hour, TOOH standing back w/ tubing, LD RBP and tools, decided not to test in due to well flowing on and off, held safety meeting, PU NC/SN, TIH w/production tbg from derrick, PU tag jts, TIH w/ tag jts no tag at 7,461.43' KB (58.57' above PBTD, 117.43' of rat hole) and tools w/234 jts, LD tag jts, ND BOP, land tbg in WH 7,319.55' KB (16.45' above the Codell) w/230 jts no subs, NU WH, did not dropped new PCS full port standing valve and broached to seatnipple w/1.901" broach, isolate well, drained lines and pump, racked pump and tank, did not swab well.RDMOL Tbg detail: 230 jts 2 3/8" 4.7# J-55 EUE 8rd Seatnipple/notched collar	5/9/2014
	7.0' adj KB 7310.95' 1.60'	7.0' 7317.95' 7319.55' EOT



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Job

Abandon Well, 12/14/2016 06:00

Job Category Abandon	Primary Job Type Abandon Well	Start Date 12/14/2016	End Date 12/15/2016	Objective PLUG AND ABANDON
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Daily Operations

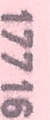
Start Date	Summary	End Date
12/14/2016	MIRU ENSIGN 354. SPOT IN EQUIPMENT & HELD SAFETY MEETING. RU RU PUMP AND TANK. ITP 100-PSI. ICP 100-PSI. ISCP 0-PSI. BLOW DOWN WELL TO FLAT TANK. CONTROL WELL W/ 30 BBLs CLAYTREAT ON TBG AND 40 BBLs ON CSG. ND WH. NU BOPS. TOO H STANDING BACK 230 JTS, LD SNNC. WELL WAS LANDED AT 7319.55' KB. PU 4 1/2" BIT/SCRAPER AND RU HYDROTESTER AND TIH W/ 230 JTS. HAD NO BAD JTS. RD TESTER. TOO H LD 100 JTS. SWI. SECURE WELL. DRAIN UP. CREW TO YARD	12/14/2016
12/15/2016	CREW ON LOCATION. HELD SAFETY MEETING. NO PRESSURES. CONTINUE TO TOO H LAYING DONW 208 JTS 2 3/8", TOO H STANDING BACK 22 JTS, LD BIT/SCRAPER. RU WL. RUN IN ADN SET 4 1/2" 10K OWEN CIBP 50' ABOVE CODELL PERFS AT 7286', DUMP BAIL CEMENT OVER CIBP. RUN IN AND SET 4 1/2" 10K OWEN CIBP 50' ABOVE TOP NIOBRARA ZONE AT 6990' DUMP BAIL CEMENT OVER CIBP. LOAD CSG. PRESSURE TEST CSG GOOD TO 2500# PSI. BLEED OFF PRESSURE. RUN IN AND RUN CBL FROM 700' TO SURFACE AND SHOWED CASING FREE. RUN IN AND CUT CASING AT 600', RD WL. ND BOPS. ND WH. PICKED UP 4 1/2" SUB AND PULLED AND UNLANDED CASING. NU SPOOL. NU BOPS. TOO H LD 14 JTS 4 1/2" CSG. PU MULE SHOE AND TIH W/ 22 JTS TO 703'. CIRCULATED WELL. RU BAYOU CEMENT TRUCK AND MIXED AND PUMPED 155 SACKS TO SURFACE. TOO H LD 22 JTS, LD MULE SHOE. TOP OF CEMENT TO SURFACE. ND BOPS. ND SPOOL. SECURE WELL. RDMO. CLEANED UP LOCATION. CUT AND CAP WELL. FINAL REPORT. CREW TO YARD. FMTD 230 JTS 2 3/8", 4.7#, J-55, 8RD TBG FROM WELL TO PDC INVENTORY/ ATP YARD. SOLD 600' OF 4 1/2" 11.6# CSG TO ATP, 14 JTS.	12/15/2016

Abandon Well, <dtmstart>

Job Category Abandon	Primary Job Type Abandon Well	Start Date	End Date	Objective
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Daily Operations

Start Date	Summary	End Date



17716

12/15/2016

itate Corsair	Well #:	23-36
St: CO	Invoice Ref. #:	
	OCSG #:	
4-1/2 11.6#		
CED TERRAZAS		



Total Service & Material:

TOTAL CHARGES:

Date: 12/16/16

17717

12/15/2016

23-36

OCSG #:

[illegible]

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Tax: _____
TOTAL CHARGES: _____

Ranger Energy Services, LLC
 800 Gessner, Suite 1000
 Houston, TX 77024
 (713) 935-8900
 (713) 935-8901 (FAX)



52532

Rig #

Other

Cement Ticket

Customer Name PDC Energy	Date Of Service: 12/15/2016
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Location State Corsair 23-36	Equipment BTR102
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API-05-123-21965

Billing			
Description	Qty	Rate	Total
P and A Charge(Each)			
Mileage(Miles)			
G Cement(Bags)			
Data Acquisition(Each)			
Iron Inspection(Each)			
Sugar(Lbs)			
Water Delivery(Barrels)			

Description	Qty	Rate	Total
Miscellaneous	@		

Discount: \$0.00 (0.00%)

TOTAL BILLABLE AMOUNT \$7,050.00

Description Of Work	Start Time 11:30 am	Stop Time 06:00 pm
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1) TIH w/ 22 JNTS to Pump Shoe & Stup Plug @ 700' Establish Circulation w/ Water, Mix and Pump 367 sacks of 15.8 # CGC to Cement Tank, TOOHD LD TBG, ND BOP'S, Top of Well w/ Cement to Surface, Total Pump= 267 sacks

Payroll Section					
	Employee	Rev Hrs.	Travel Hrs.	Non Rev Hrs.	Total
Supervisor	Jaime, Gustavo	0.00	0.00	0.00	0.00
Operator	Acevedo, Roberto	6.50	0.00	0.00	6.50
Derrick	Jones, Cody	6.50	0.00	0.00	6.50
FloorHand	Ingalls, Tyler	6.50	0.00	0.00	6.50
FloorHand	Jones Austin	6.50	0.00	0.00	6.50

No UnReported Incidents Per My Signature

BWS Rig Supervisor

Customer/Agent:



FIELD TICKET No.

34315

DELIVERED FROM

DATE _____

P.O. NO.

AFE NO.

CUSTOMER NO. API-05-123-Z1965

LEASE Corsair 23-36

WELL NO.

CUSTOMER PDC

FIELD *W. H. H. H.*

STATE

COUNTY *Weld*

ADDRESS

LOCATION WCR 38+13

CITY

CASING SIZE & WT. 4 1/2

TBG. SIZE

STATE

ZIP

TYPE OF JOB (Pharmacist) x 2 + CBL + cut

ORDERED BY

Cassio

TITLE

SERVICE SUPV.

Thy Elms

Less 15% -

4
2
C
S
1999
C

E.


I was not injured, involved in or witness to an accident during the performance of this work. If an injury or accident occurred a signature is not to be provided. The injury or accident is to be reported to the supervisor so that a report can be prepared.

I hereby attest that my employer NCPs, did permit me to eat while working.

PRICES). Pricing and extensions, if shown above, are subject to verification.

X _____

NABORS COMPLETION & PRODUCTION SERVICES CO.

X  _____
CUSTOMER REPRESENTATIVE

NABORS COMPLETION & PRODUCTION SERVICES CO.

CUSTOMER REPRESENTATIVE

NAB0997 (12/13) • GMG Services, Inc. • 713 460-8801

White – Main Canary – Customer Pink – Field