STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF CIMAREX ENERGY CO. OF COLORADO FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO. **Case No. 15,223**

VERIFIED STATEMENT OF NASH J. DOWDLE, JR.

Nash J. Dowdle, Jr., being duly sworn upon his oath, deposes and states:

1. I am a landman for Cimarex Energy Co. ("Cimarex"), and have personal knowledge of the matters stated herein.

2. Cimarex Energy Co. of Colorado is a wholly owned subsidiary of Cimarex Energy Co.

3. Pursuant to Division Rule NMAC 19.15.4.12.A(1)(b), the following information is submitted in support of the application filed herein:

(a) No opposition to this application is expected because the mineral interest owner being pooled has never responded to well proposals.

(b) A plat outlining the spacing unit being pooled is attached hereto as Exhibit A. Applicant seeks an order pooling all mineral interests in the Strawn formation (Burton Flat-Strawn Gas Pool) underlying Lots 1, 2, NE/4, and E/2NW/4 (the N/2) of Section 7, Township 21 South, Range 27 East, NMPM, to form a standard 314.160-acre gas spacing and proration unit for any and all formations or pools developed on 40-acre spacing within that vertical extent. The unit will be dedicated to the Colton 7 Fed. Well No. 1, which is being re-completed in the Strawn formation with a top perforation in the Strawn formation of 10,014 feet subsurface, at a location 1250 feet from the north line and 1943 feet from the west line of Section 7.

(c) The party being pooled, and its percentage working interest in the well, is:

Mobil Producing Texas & New Mexico Inc. 37.50 %
c/o XTO Energy Inc.
810 Houston Street, Suite 2000
Fort Worth, Texas 76102

Oil Conservation Division
Case No. ____
Exhibit No. 1

(d) Attached hereto as Exhibit B is the proposal letter for the well. I have also had the following contacts with XTO Energy Inc.

Initial Contact – Steven Cobb w/ XTO 4/16/2014...by phone & email.

Referred to Angie Repka 4/22/2014...called and sent email.

Attempted Contact 4/29/2014 via phone and email to Angie Repka...no response.

Attempted Contact with Angie 5/5/2014...No response.

Response from Angie 5/6/2014....she is going over documents and forwarding to their Engineering Dept.

Called Angie 5/12/2014...left message...no response.

Called 5/19/2014 for an update....no contact...left message. Via phone & email. Called again 5/27/2014...Angie reports she is waiting on geology & engineering input.

Called again 6/3/2014....left message.

Received email from Angie 6/12/2014 declining our proposal (initially for a term assignment or to participate). They reported to me they have "plans" for that section.

7/31/2014 ...Attempted contact with Dan Foland, Regional Land Manager via email and phone for another attempt for Term Assignment or participation. He replied that he will discuss with Angie.

8/11/2014...Attempted contact with Angie...left message

9/2/2014...Talked to Steve Cobb and they will get back with me.

9/8/2014...Sent Angie an email requesting an update...no response.

(e) Cimarex has made a good faith effort to locate all interest owners in the well.

(f) Pursuant to Division rules, applicant requests that a 200% risk charge be assessed against a non-consenting interest owner.

(g) A copy of the Authority for Expenditure for the proposed re-entry is attached hereto as Exhibit C. The re-entry and re-completion costs set forth therein are fair and reasonable, and are comparable to those of other wells of this depth drilled in this area of Eddy County.

(h) Overhead charges of $6,500.00/month for a drilling well, and $650.00/month for a producing well, are requested. These rates are fair and reasonable, and are in line with rates charged by other operators in this area for wells of this depth. Applicant requests that the rates be adjusted under the COPAS accounting procedure.

(i) Applicant requests that it be designated operator of the well.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Nash J. Dowdle, Jr., being duly sworn upon her oath, deposes and states that: She is a landman for Cimarex Energy Co.; she is authorized to make this verification on its behalf; she has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of her knowledge, information, and belief.

Nash J. Dowdle, Jr.

SUBSCRIBED AND SWORN TO before me this 14th day of October, 2014 by Nash J. Dowdle, Jr.

My Commission Expires: 3/26/2015

Notary Public

KAIMI COLETTE BROWNLEE
Notary Public, State of Texas
My Commission Expires
March 26, 2015

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-33101		Strawn

4 Property Code	5 Property Name	6 Well Number
	Colton 7 Federal	1

7 OGRID No.	8 Operator Name	9 Elevation
162683	Cimarex Energy Co of Colorado	3199'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	7	21 SOUTH	27 EAST, N.M.P.M.		1260'	NORTH	2170'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	7	21 SOUTH	27 EAST, N.M.P.M.		1245'	NORTH	1681'	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

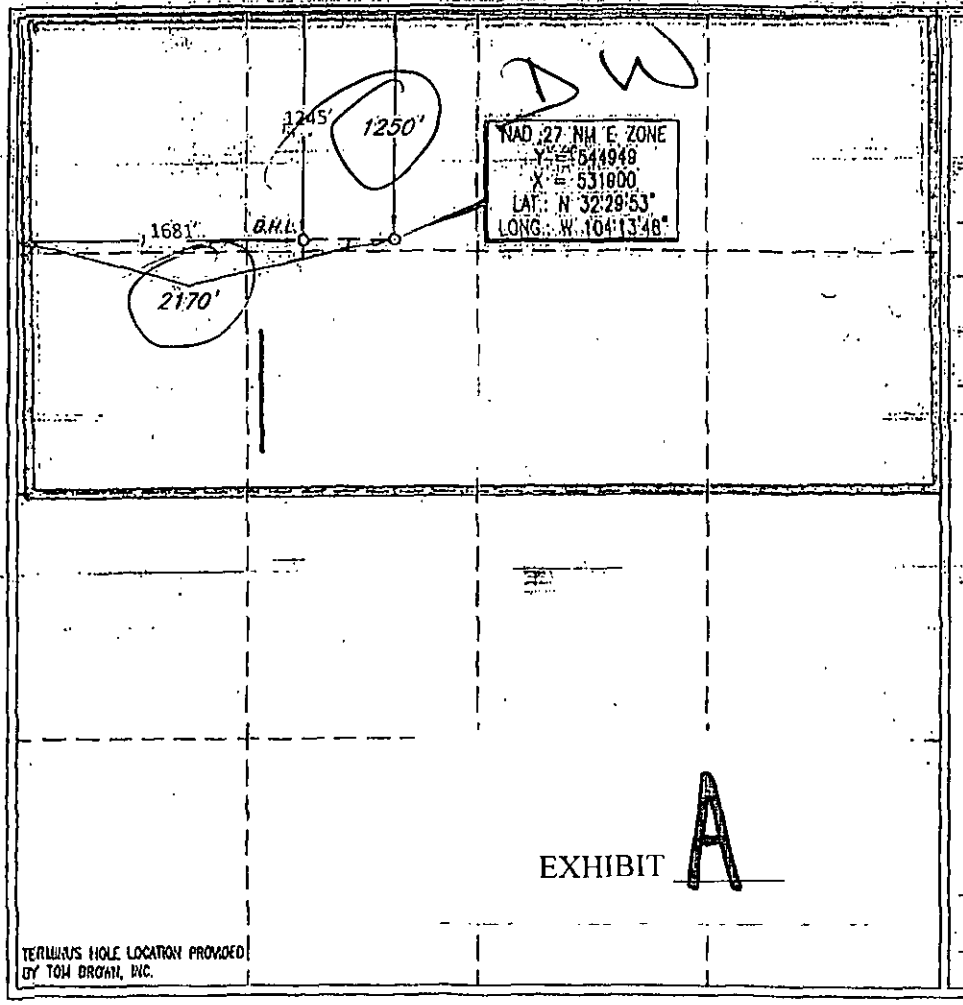


EXHIBIT A

TERRAIN'S HOLE LOCATION PROVIDED BY TOM BROWN, INC.

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Terri Stathem
Printed Name
Regulatory
Title
4/7/2014
Date
tstathem@cimarex.com

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 10, 2003
Date of Survey
Signature and Seal of Professional Surveyor

STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920
09-22-03

Certificate Number V. L. BEZNER, N.M.P.S. #7920

JOB # 90274 / 49 NW / J.C.P.

August 26, 2014

Mr. Dan Foland
Regional Land Manager
XTO Energy Inc.
810 Houston Street
Houston, TX 76102

Via Federal Express

Re: Colton 7 Federal #1
Section 7, Township 21 South, Range 37 East
Eddy County, New Mexico
AFE374260RC

Dear Mr. Foland:

Cimarex Energy Co. of Colorado, on behalf of Magnum Hunter Production, Inc., both wholly owned subsidiaries of Cimarex Energy Co., as Operator of the above referenced well, requests your review and approval of the attached AFE for the purpose of recompletion to the Strawn formation from the current Morrow formation.

Please indicate your election to participate in the enclosed AFE within 30 days of your receipt of this letter and form. Return a signed copy of the AFE to my attention via regular mail, email or fax at 432-242-2962. Your earliest attention to this matter is greatly appreciated.

Sincerely,

Nash J. Dowdle, Jr.
Landman
Tel. 432-571-7857-off
Fax. 432-242-2962
Email: ndowdle@cimarex.com

EXHIBIT 3

From: (432) 571-7892
Tish E. Maney
Cimarex Energy Co.
600 N. Marienfeld Suite 600

Midland, TX 79701

Origin ID: MAFA

FedEx Express

J142014061903uv

Ship Date: 26AUG14
ActWgt: 0.5 LB
CAD: 5398054/INET3550

Delivery Address Bar Code

SHIP TO: (432) 571-7827
Attn: Dan Foland
XTO Energy, Inc.
810 HOUSTON ST

FORT WORTH, TX 76102

BILL SENDER

Ref #
Invoice #
PO #
Dept #

WED - 27 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7709 5195 5127
0201

AD GLEA

76102
TX-US
DFW

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Cimarex Energy Co. - Recompletion AFE (RC)

AUTHORITY FOR EXPENDITURE (AFE) DATE: 3/31/2014

PRODUCTION REGION		LEASE	WELL NO.	EST. START DATE	EST COMPL. DATE	AFE NO.
Permian - Carlsbad		Colton 7 Federal	1	April 9, 2014	April 16, 2014	374260RC
COUNTY	STATE	LOCATION		PROPERTY NO.		
Eddy	NM	1250' FNL & 2150' FWL Sec 7, T21S, R27E		309620-017		

X Cimarex
— Key
— MHP
— Prize

PURPOSE OF EXPENDITURE AND WORK PROCEDURE

PURPOSE: Recompletion to Strawn

PROCEDURE: See attached procedure to Recomplete Strawn formation

BILLING CATEGORY	INTANGIBLE		TOTAL COST
RECO.100	MISC SITE PREPARATION		
RECO.110	DOCK, DISPATCHER, CRANE		
RECO.115	MUD/FLUIDS DISPOSAL	Water Disposal	2,500
RECO.120	WELL CONTROL-EQUIP/SERVICES	5 Day min $3,500 + 3 Add on Days @ $1,600	8,500
RECO.125	FISHING & SIDETRACK SERVICES		
RECO.130	MARINE/AIR TRANSPORTATION		
RECO.135	TRAILER, CAMP & CATERING		
RECO.140	COIL TUBING SERVICES		
RECO.145	DAMAGES		
RECO.150	LOCATION RESTORATION		
RECO.155	COMPLETION RIG	9 Days @ $4,500	40,500
RECO.160	BITS		
RECO.165	FUEL		
RECO.170	WATER, MUD & FLUIDS	4% KCL & FW + 8 days x $2,000 day	16,000
RECO.176	SURFACE RENTALS	Pipe Rack - $1,500, Rig Mat - $1,000, 2 Tanks - $3,600, Flow Back - 4 days @ $2,00	14,000
RECO.180	DOWNHOLE RENTALS	Halli - $4,000, Globe $3,000	6,000
RECO.185	GEOLOGICAL		
RECO.195	TUBULAR INSPECTIONS	CVD - $3,500 + 2-7/8" @ $3,500	7,000
RECO.200	CASING CREWS		
RECO.205	EXTRA LABOR, WELDING, ETC		
RECO.210	TRUCKING	Pipe Racks & Rig Mat - $3,000, Tubing - $7,000, Hot Shot - $1,200	11,500
RECO.215	SUPERVISION	8 Days x $1,500 day	12,000
RECO.225	OTHER MISC EXPENSES		
RECO.230	OVERHEAD		
RECO.235	LOGGING, PERFORATING, WL UNIT	CIPB, CMT, Perf - FMC Bid	14,000
RECO.240	ACIDIZE, BREAKDOWN	Petroplex Quote	15,000
RECO.245	FRACTURING, STIMULATION		
RECO.250	REMEDIAL CEMENTING		
RECO.265	CONTINGENCY	2 Days of Rentals	25,200
RECO.270	P&A COSTS		
RECO.275	LEGAL/REGULATORY/CURATIVE-ACP		
RECO.345	SHOES/COLLARS/CENTRALIZE		
RECO.355	WELL SURVEY/ELEC LOGGING		
RECO.365	WIRELINE SERVICES		
RECO.385	INSPECTION		
RECO.390	CORROSION CONTROL/SAFETY		
RECO.450	ENGINEERING SERVICES		
RECO.460	DMNG SERVICES		
	TOTAL INTANGIBLE COST		172,200

BILLING CATEGORY	TANGIBLE		
RELW.100	PRODUCTION CSG/TIE BACK		
RELW.105	TUBING	New 2-3/8" 4.7# J-55 EUE $45,300 + Tax	50,000
RELW.110	CONSTRUCTION FOR WELL EQUIP		
RELW.115	N/C WELL EQUIPMENT		
RELW.120	WELLHEAD, TREE, CHOKES		
RELW.125	LINER HANGER, ISOLATION PACKER		
RELW.130	PACKER, NIPPLES		
RELW.155	PUMPING UNIT, ENGINE		
RELW.160	LIFT EQUIP (BHP,RODS,ANCHORS)		
RELW.165	CONSTRUCTION FOR LEASE EQUIP		
RELW.170	N/C LEASE EQUIPMENT		
RELW.175	TANKS		
RELW.180	BATTERY (HTR TRTR,SEPAR,GAS T)		
RELW.185	FLOW LINES, LINE PIPE		
RELW.190	MISC LEASE EQUIPMENT		
RELW.195	COMPRESSORS		
	TOTAL TANGIBLE COST		50,000
	TOTAL ESTIMATED COST		$222,200

INTERNAL APPROVAL

		DATE	WORKING INTEREST	0.977000
PREPARED BY:	Winston Kelly	3/31/2014	NET TOTAL COST	$217,089
APPROVED BY:	Kim Barton	4-14-14		
APPROVED BY:	Blake Sirgo	4-14-14		
APPROVED BY:	Rick White	4/14/14		
APPROVED BY:				
APPROVED BY:				

NONOPERATOR APPROVAL

COMPANY	APPROVED BY (PRINT NAME)	APPROVED BY (SIGNATURE)	DATE

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. In executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

EXHIBIT C

Updated 10/2010

CIMAREX ENERGY CO.
PRODUCTION AFE ROUTING FORM

Date: 3/31/2014 Production Region: Permian - Carlsbad Exploration Region: _____
Eff. Date: _____ Comments: Recompletion to Strawn

[X] New
[ ] Supplement # ____
[ ] Revision # ____

Reason for AFE: Recompletion to Strawn
Company Entity: Cimarex Energy Co. of Colorado

PROPERTY INFORMATION

Well Name: Colton 7 Federal 1 AFE #: 374260RC
Location: 1250' FNL & 2150' FWL Sec 7, T21S, R Outside Operated AFE#: _____
County/Parish: Eddy State: NM
Prospect: Burton Flat
Operator: Cimarex Energy Co. of Colorado Property #: 309620-017

PROPOSAL

Submitted By: Winston Kelly
Objective Depth: 10,014' - 230' Formation: Strawn

Type:

[ ] New Well: Development [ ] Exploratory [ ] PUD [ ]
[X] Remedial: Recomplete [X] Sidetrack/Deepen [ ] Workover(Exp) [ ] Workover(Cap) [ ]
[ ] P&A
[ ] Facility: _____

Election:

[X] Participate
[ ] Non-Consent
[ ] Divestiture: Assignment/Lease [ ] Farmout [ ]
[ ] Acquisition: Production Acquisition [ ]

LAND SUMMARY

Regulatory Rules:
a. Spacing:
b. Pooling:
c. Location Exception:
d. Increased Density:
e. Production Allowable:

Operating Agreement: Date: Form:
Non-Consent: Gas Balancing:
Preferential Right: Tax Partnership:

Title Work:
a. Title Opinion:
b. Drilling Title Approved By:

Deal \ Operational Summary: [ ] Payout Calculation Required

Marketing Information:
a. Prior Dedications:
b. Calls on Production:
c. Facilities:

Cimarex Interest(Decimal)	BCP	ACP	BPO	APO1	APO2
Working Interest			0.977000		
Net Revenue Interest			0.737600		
Overriding Royalty Interest					
Royalty Interest					

SUMMARY OF ESTIMATED COSTS

	Original AFE			Current Estimate	
Estimated Cost	Tangible	Intangible	Total	Total	Supplement 1
Gross	$50,000	$172,200	$222,200		
Net to Cimarex					

	Name		Date		
Generated By:	Winston Kelly	WK	3/31/2014	Within Region Authority	N
Approved By:	Kim Barton	KB	4-14-14	VP Approval Obtained (if req'd)	Y
Approved By:	Blake Sirgo	BAS	4-14-14	WI Expected To Change	N
Approved By:	Rick White	RLW	4/14/14	Work Category #	2-RC
Approved By:					
Approved By:					

Updated 10/2010

COLTON 7 FEDERAL #1
Strawn Recompletion Procedure

API # 30-015-33101
PROPERTY # 309620-017
1250' FNL & 2170' FWL
Section 7, 21S, R-27E
Eddy County, New Mexico

GL : 3204' **KB :** 3236'
TD : 11550' **PBTD:** 11450' (DOD)
SURF CSG : 13-3/8" OD AT 647' (CIRC)
INTER CSG: 9-5/8" OD AT 2457' (CIRC)
PROD CSG : 5-1/2" OD 17# P-110 @ 11549' (TOC 1710' PER TS)
DV TOOL AT 8505'
ID=4.892", DRIFT=4.767", BURST=10640#, CAPACITY=0.9764 GAL/LF

TUBING: 2-7/8" 6.4# L-80 W/ VERSASET PKR AT 11,167'
ID=2.441", DRIFT=2.347", BURST=10570 PSI, CAPACITY=0.243 GAL/LF

Returning with 2-3/8" 4.7# tbg 10,000' string
ID=1.995", DRIFT=1.901", BURST=11200 PSI, CAPACITY=0.162 GAL/LF

PERFS: ***PROPOSED STRAWN*** 10,014'-20', 10,117'-26', 10,180'-84', 10,221'-30', 4 spf/112 hls

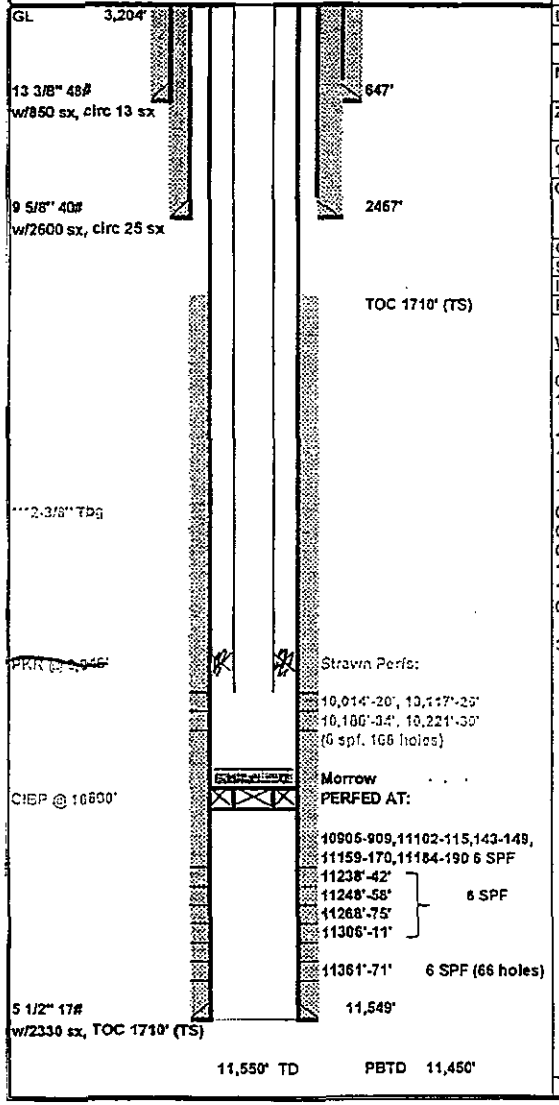
MORROW :10,905'- 909', 11,102'-115', 143'-149', 11,159'-170', 11,184'-190', 11,238'-42', 11,248-58', 11,268'-75', 11,306'-11', 11,361'-71', 6 spf/222 hls

Procedure:

1. Hold safety meeting. MIRU pulling unit. Bleed off any wellhead pressure. If necessary pump FW down tbg to kill well.
2. ND WH, NU BOP, Release PKR, TOOH & stand back w/ tbg.
3. MIRU wireline. Make GR run to 10,900'. RIH w/ CIBP on WL & set @ ±10,820'. (Within 100' of top of Morrow @ 10,896'). Load hole & pressure test to 1,000 psi, then POOH.
4. RU & RIH w/ cement dump bailer & dump a minimum of 35' Class H cmt on CIPB. POOH w/ WL & RD.
5. RIH w/ 2-7/8" tbg string to 10,700', circulate w/ 4% KCL. POOH & LD w/ tbg, send to warehouse.
6. RIH w/ CSG guns, Depth reference with Schlumberger CNDL dated 8/24/2005.
7. Perf Strawn with 4 SPF (10,014'-20', 10,117'-26', 10,180'-84', 10,221'-30')112 holes. RDMO WL.
8. TIH w/ 2-3/8" Treating pkr on new 2-3/8" tbg string. Set treating pkr @ ± 9,910'. (If pressure is an issue set pkr via WL @ ± 9,946', expected reservoir pressure 3,940 #)
9. Acidize Strawn perfs (10,014' – 10,230') w/ 5000 gals 15% HCL NEFE acid & 140 degradable ball sealers. Flush w/ 4% KCl wtr.
10. POOH w/ tbg & pkr. TIH w/ Seat Nipple & open ended new 2-3/8" tbg string w/ EOT @ ± 9,990'.
11. Swab tbg as necessary. ND BOP, NU WH, RDMO PU. Return well to production.

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC



LEASE NAME: Colton 7 Federal		Well # 1			API # 30-015-33101		LEASE #
TYPE COMPLETION:		☑	SINGLE	☐	DUAL	☐	
LOCATION:	Surface: 1250' FNL & 2170' FWL, Sec 7, T21S R27E; TD: 1245' FNL & 1681' FWL						
TD	11,550'	PBD	11,450'		KB	3,236'	From Log
COD		DOD			GL	3,204'	From Log
NO. PROD. WELLS ON LEASE		FLOWING			PUMPING		
ZONE TO BE WORKED ON:					CURRENT COMPLETION ZONE: Strawn		
CSG. PERFS: 10,014'-20', 10,117'-25', 10,180'-94', 10,221'-30' 10,905-909', 11,102-115', 11,143-149', 1116 11238'-42' 11248'-58' 11268'-75' 11306'-11' 11361'-71'					OPEN HOLE :		
CURRENT TEST (SHOW DATE)							
4/24/2006	0 BO + 0 BW + 848 MCF						
7/15/2007	0 BO + 0 BW + 2 MCF						

CASING BREAKDOWN						
SURF.	17 1/2" hole	SIZE:	13 3/8" 48#	w/850 sx, circ 13 sx	DEPTH	647'
INTER.	12 1/4" hole	SIZE:	9 5/8" 40#	w/2600 sx, circ 25 sx	DEPTH	2457'
PROD.	8 3/4" hole	SIZE:	5 1/2" 17#	w/2330 sx, TOC 1710' (TS)	DEPTH	11,549'

WELL HISTORY

07/15/05	Spud.
10/11/05	Completed in Morrow. Perf'd Lower Morrow 11361'-371' OAL (66 holes). Frac'd w/23,000 gal foamed 45# gelled 7% KCL w/CO2 +195,000# 15/40 Versaprop dn csg. Perf'd Morrow 11238'-311' OAL. Frac'd w/100,000 gal fomaed 45# gelled 7% KCL w/CO2 _ 73,200# 18/40 Versaprop dn 5 1/2" csg.
12/05/05	1st sales @ 3 pm, TP 3150 CP 700 FR 1.5 MCF open on 16/64" choke.
12/07/05	24 hr flow TP 1500 CP 900 LP 489 CK 17 FR 1423 MCF, 127 BO + 0 BW + 1459 MCF.
12/13/05	24 hr flow TP 540 CP 900 LP 475 CK W/O FR 1921, 0 BO + 129 BW + 1870 MCF.
11/28/06	SBHP 1392# @ 11274'.
02/02/07	Swab total of 165 BW. Dn size compressor. Dropped total of 9 soap sticks. RTP 2/17/07, EFR 380 MCF LP 575.
02/13/07	SBHP 1506# @ 11274'.
06/01/07	Swab total of 95 BW.
10/09/07	RIH w/1.55" gauge ring to 11446', found Morrow perfs open.
10/29/07	Clear w/r block w/isosol Treatment. Pumped 4000 gal isosol acid + 62 tols CO2 (60 tons dn hole, 2 tons cool dn). Never saw a break in formation.
02/13/08	Add Morrow perfs 10,905-909', 11,102-115', 11,143-149', 11159-170', 11,184-190' 6 SPF. 7.5% Hcl w/methanol acid job. Pull RBP and TIH w/packer and gas lift valves.

3/31/2014: Plug back & set CIBP over Morrow. Perforate Strawn & Acidize w/ 500 gls HCL NEFE Acid.

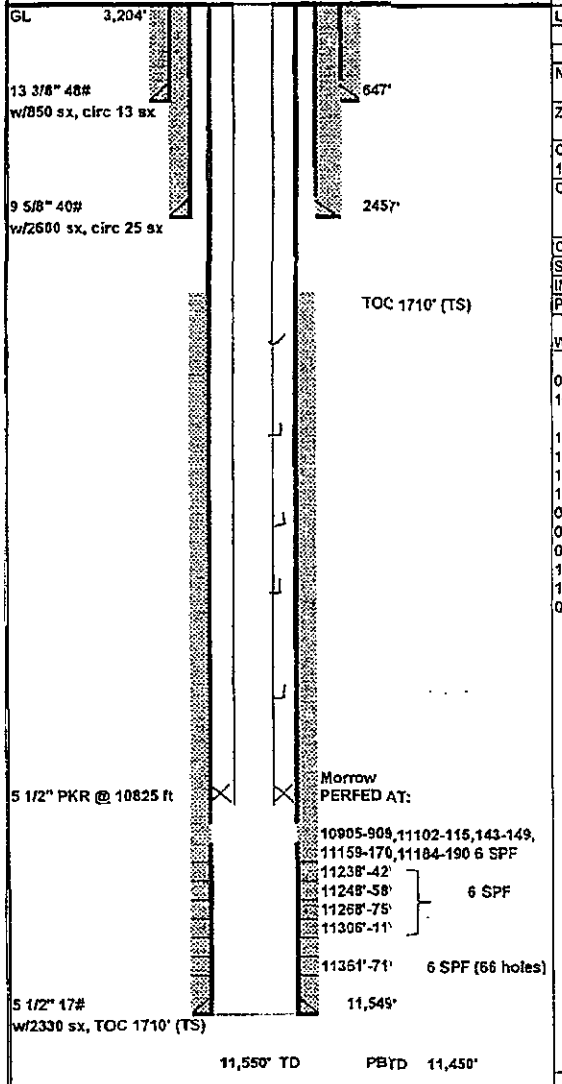
TUBING DETAIL: from 12/20/2009report

Detail	Length	Depth
KB	32	32
176 jts 2 7/8" 6.5# EUE L-80 tbg	5460.77	5492.77
TRO 975 #4 Gas Lift Valve	4.1	5496.87
59 jts 2 7/8" 6.5# EUE L-80 tbg	1852.16	7349.03
TRO 935 #3 Gas Lift Valve	4.1	7353.13
58 jts 2 7/8" 6.5# EUE L-80 tbg	1374.01	8648.92
TRO 895 #2 Gas Lift Valve	4.1	8652.92
54jts 2 7/8" 6.5# EUE L-80 tbg	1685.56	10790.49
TRO S/O #1 Gas Lift Valve	4.1	10794.59
1 jt 2 7/8" 6.5# EUE L-80 tbg	30.85	10825.44
2.313 X Profile on-off tool	1.8	10827.24
5.5"x 2-7/8" Arrow set 7K packer	9.1	10836.34
1 jt 2 7/8" 6.5# EUE L-80 tbg	31.46	10867.8
2-7/8" Perforated Sub	4.1	10871.9
16 jts 2 7/8" 6.5# EUE L-80 tbg	497.36	11369.26
2-7/8" Bull Plug	0.5	11369.76

PREPARED BY:	Laci Luig, Revised by WSK	CREATED:	8/8/2007	UPDATED:	3/21/2014 WSK

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC



LEASE NAME: Colton 7 Federal	Well # 1		API # 30-015-33101		LEASE #
TYPE COMPLETION:	☒ SINGLE	☐ DUAL			
LOCATION:	Surface: 1250' FNL & 2170' FWL, Sec 7, T21S R27E; TD: 1245' FNL & 1681' FWL				
TD 11,550'	PBD 11,450'		KB 3,236'	From Log	
COD	DOD		GL 3,204'	From Log	
NO. PROD. WELLS ON LEASE	FLOWING		PUMPING		
ZONE TO BE WORKED ON:			CURRENT COMPLETION ZONE: Morrow		
CSG. PERFS: 10,905-909', 11,102-115', 11,143-149', 11159-170', 11,184-190' 6 SPF. 11238'-42' 11248'-58' 11268'-75' 11306'-11' 11361'-71'			OPEN HOLE :		
CURRENT TEST (SHOW DATE)					
4/24/2006	0 BO + 0 BW + 848 MCF				
7/15/2007	0 BO + 0 BW + 2 MCF				

CASING BREAKDOWN							
SURF.	17 1/2" hole	SIZE:	13 3/8" 48#	w/850 sx, circ 13 sx		DEPTH	647'
INTER.	12 1/4" hole	SIZE:	9 5/8" 40#	w/2600 sx, circ 25 sx		DEPTH	2457'
PROD.	8 3/4" hole	SIZE:	5 1/2" 17#	w/2330 sx, TOC 1710' (TS)		DEPTH	11,549'

WELL HISTORY

07/15/05	Spud.
10/11/05	Completed in Morrow. Perf'd Lower Morrow 11361'-371' OAL (66 holes). Frac'd w/23,000 gal foamed 45# gelled 7% KCL w/CO2 +195,000# 15/40 Versaprop dn csg. Perf'd Morrow 11238'-311' OAL. Frac'd w/100,000 gal foamed 45# gelled 7% KCL w/CO2 _ 73,200# 18/40 Versaprop dn 5 1/2" csg.
12/05/05	1st sales @ 3 pm, TP 3150 CP 700 FR 1.5 MCF open on 16/64" choke.
12/07/05	24 hr flow TP 1500 CP 900 LP 489 CK 17 FR 1423 MCF, 127 BO + 0 BW + 1459 MCF.
12/13/05	24 hr flow TP 540 CP 900 LP 475 CK W/O FR 1921, 0 BO + 129 BW + 1670 MCF.
11/28/06	SBHP 1392# @ 11274'.
02/02/07	Swab total of 165 BW. Dn size compressor. Dropped total of 9 soap sticks. RTP 2/17/07, EFR 380 MCF LP 575.
02/13/07	SBHP 1596# @ 11274'.
06/01/07	Swab total of 95 BW.
10/09/07	RIH w/1.55" gauge ring to 11446', found Morrow perfs open.
10/29/07	Clear wlr block w/Isosol Treatment. Pumped 4000 gal Isosol acid + 62 tols CO2 (60 tons dn hole, 2 tons cool dn). Never saw a break in formation.
02/13/08	Add Morrow perfs 10,905-909', 11,102-115', 11,143-149', 11159-170', 11,184-190' 6 SPF. 7.5% Hcl w/methanol acid job. Pull RBP and TIH w/packer and gas lift valves.

TUBING DETAIL: from 12/20/2009report

Detail	Length	Depth
KB	32	32
176 jts 2 7/8" 6.5# EUE L-80 tbg	5460.77	5492.77
TRO 975 #4 Gas Lift Valve	4.1	5496.87
59 jts 2 7/8" 6.5# EUE L-80 tbg	1852.16	7349.03
TRO 935 #3 Gas Lift Valve	4.1	7353.13
56 jts 2 7/8" 6.5# EUE L-80 tbg	1374.01	8648.92
TRO 895 #2 Gas Lift Valve	4.1	8652.92
54jts 2 7/8" 6.5# EUE L-80 tbg	1685.58	10790.49
TRO S/O #1 Gas Lift Valve	4.1	10794.59
1 jt 2 7/8" 6.5# EUE L-80 tbg	30.85	10825.44
2.313 X Profile on-off tool	1.8	10827.24
5.5"x 2-7/8" Arrow set 7K packer	9.1	10836.34
1 jt 2 7/8" 6.5# EUE L-80 tbg	31.46	10867.8
2-7/8" Perforated Sub	4.1	10871.9
16 jts 2 7/8" 6.5# EUE L-80 tbg	497.36	11369.26
2-7/8" Bull Plug	0.5	11369.76

PREPARED BY: Laci Luig, Revised by WSK | CREATED: 8/8/2007 | UPDATED: 3/19/2014 WSK