

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., 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

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-23001
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LOCO HILLS WELCH
8. Well Number 2
9. OGRID Number 258462
10. Pool name or Wildcat Empire Morrow South (Gas)

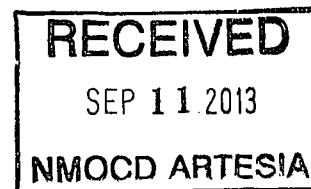
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator NADEL & GUSSMAN HEYCO, LLC	
3. Address of Operator PO BOX 1936 ROSWELL NM 88202-1936 575/623-6601	
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>4</u> Township <u>18S</u> Range <u>29E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3521.2' GR	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Recomplete <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. RIH with bit and drill out plugs @ 3,530' & 6,000'.
2. RIH & set CIBP @ 7,400'.
3. Dump bail 35' of Class H cement on top of CIBP.
4. Pressure test plug and casing to 2,500 psi.
5. Run GR/CCL/CBL from 7,300' to 300'.
6. Perforate the C Bench of 2nd Bone Spring interval from 7,243' to 7,295' select fire @ 2 SPF (18 total holes).
7. Spot and break down perforations with 15% NEFE HCL.
8. Swab test for oil cut and inflow.
9. Stimulate interval with hydraulic fracture stimulation down 3 1/2" tubing and under packer if swab tests indicate a productive interval.
10. Place well on pumping production.



Provide C102

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC D guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Larry R. Lisk TITLE PRODUCTION ANALYST DATE 9-9-2013

Type or print name \_\_\_\_\_ E-mail address: tlisk@heycoenergy.com Telephone No. 575.623.6601

For State Use Only

APPROVED BY: RDacle TITLE Dist. J. Spenier DATE 9/12/2013  
Conditions of Approval (if any): \_\_\_\_\_

**Loco Hills Welch #2**

#529900-002

Empire Morrow South Field

API #30-015-23001

N-004-18S-29E Eddy County

660' FSL &amp; 1980' FWL

GL: 3,521' KB-15.0'

Nadel &amp; Gussman HEYCO LLC

prepared by Rakesh P.

updated by LMO

**DRAWING NOT TO SCALE.**

Tbg/Rod configuration as of 7/22/09

None

Wellbore Status as of :

08/21/2013

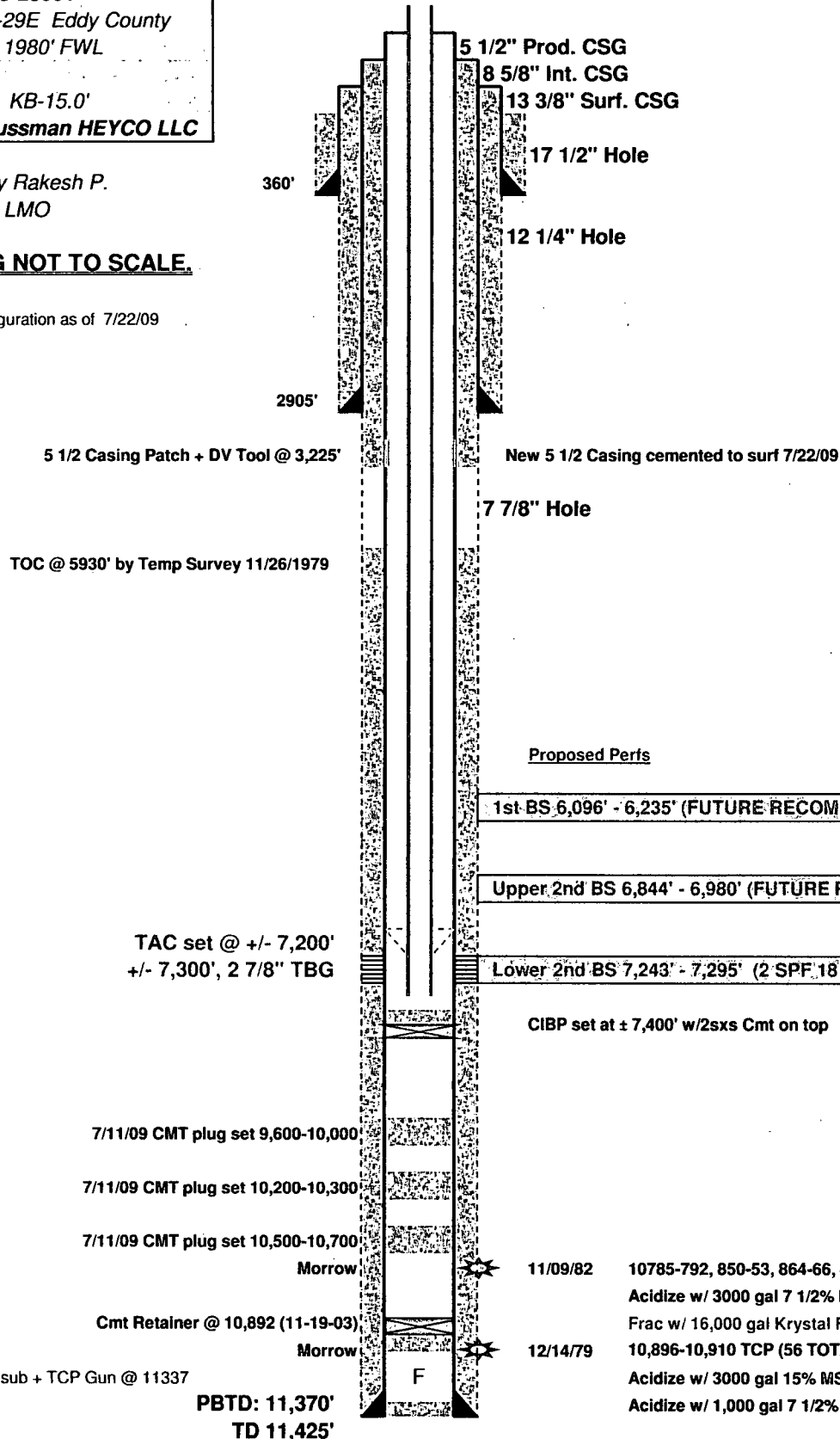
Spud: 10/18/1979

TD: 11/23/1979 11,425'

Completed: 12/13/1979

PBTD: 11/19/2003 10,892'

Proposed (Production)

**Surface Casing:**

Bit size - 17 1/2"

360' - 13 3/8" 54.5# STC

Cmtd w/ 350 CL C + 20yds RM

TOC-SURF

**Intermediate Casing:**

Bit size - 12 1/4"

2,905' - 8 5/8" 24# &amp; 28# STC

Cmtd w/ L-900 sx + T-200 sx

+ 4.5 yds Redi Mix

TOC-SURF

**Production Casing:**

Bit size - 7 7/8"

11,425' - 5 1/2"

Weight	Grad/Conn	Set @
17#	J-55/LTC	3,250
17#	N-80/LTC	3,853
17#	J-55/STC	8,307
17#	N-80/LTC	11,425

**Production Cement**

L-600 sx H Lite

T-400 sx H

Marker jt @ 9,750, 9,951, 10,148

TOC-5,930 by CTS on 11/26/79

**Loco Hills Welch #2**

#529900-002

Empire Morrow South Field

API #30-015-23001

N-004-18S-29E Eddy County

660' FSL &amp; 1980' FWL

GL: 3,521' KB-15.0'

Nadel &amp; Gussman HEYCO LLC

prepared by Rakesh P.

updated by LMO

**DRAWING NOT TO SCALE.**

Tbg/Rod configuration as of 7/22/09

None

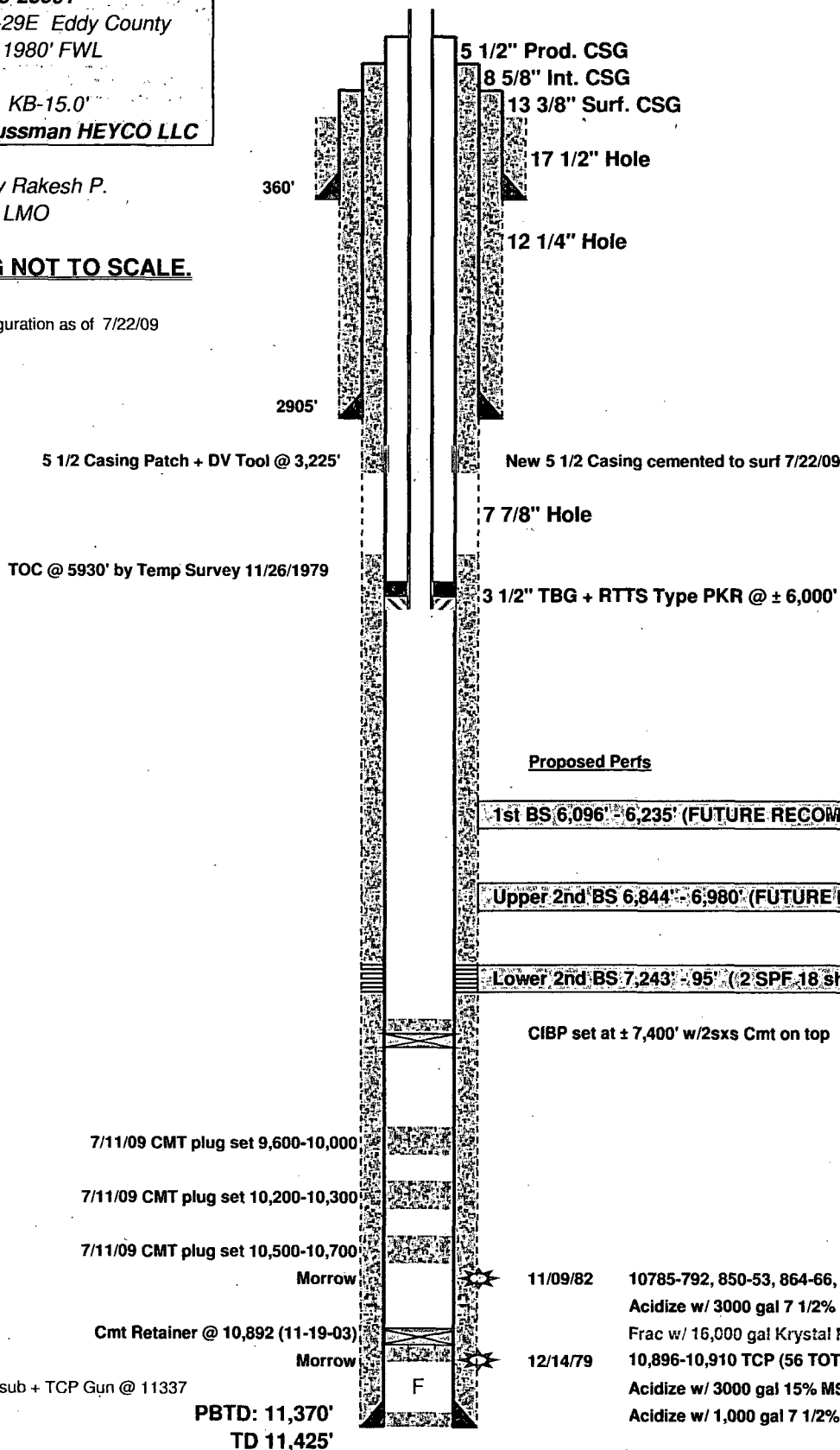
Wellbore Status as of : 08/21/2013

Spud: 10/18/1979

TD: 11/23/1979 11,425'

Completed: 12/13/1979

PBTD: 11/19/2003 10,892'

**Proposed (Frac)****Surface Casing:**

Bit size - 17 1/2"

360' - 13 3/8" 54.5# STC

Cmt'd w/ 350' CL C + 20yds RM

TOC-SURF

**Intermediate Casing:**

Bit size - 12 1/4"

2,905' - 8 5/8" 24# &amp; 28# STC

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**Production Cement**

L-600 sx H Lite

T-400 sx H

Marker jt @ 9,750, 9,951, 10,148

TOC-5,930 by CTS on 11/26/79

**Loco Hills Welch #2**  
**#529900-002**  
**Empire Morrow South Field**  
**API #30-015-23001**  
**N-004-18S-29E Eddy County**  
**660' FSL & 1980' FWL**  
  
**GL: 3,521' KB-15.0'**  
**Nadel & Gussman HEYCO LLC**

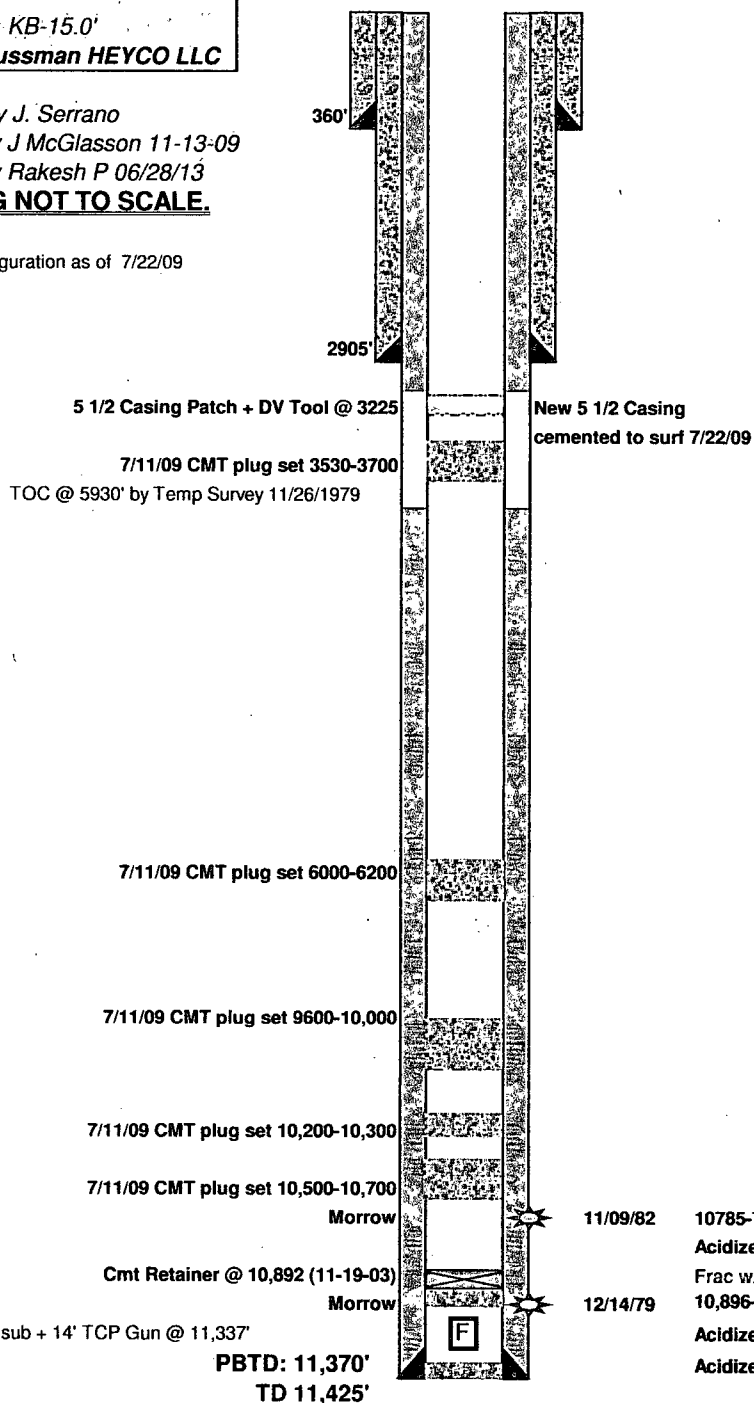
Wellbore Status as of : 06/28/13

Current

**Spud:** 10/18/1979  
**TD:** 11/23/1979 11,425'  
**Completed:** 12/13/1979  
**PBTD:** 11/19/2003 10,892'

prepared by J. Serrano  
 Updated by J McGlasson 11-13-09  
 Updated by Rakesh P 06/28/13  
**DRAWING NOT TO SCALE.**

Tbg/Rod configuration as of 7/22/09  
 None



Surface Casing:		
Bit size - 17 1/2"		
360' - 13 3/8" 54.5# STC		
Cmtd w/ 350 CL C + 20yds RM		
TOC SURF		
Intermediate Casing:		
Bit size - 12 1/4"		
2905' - 8 5/8" 24# & 28# STC		
Cmtd w/ L-900 sx + T-200 sx		
+ 4.5 yds Redi Mix		
TOC SURF		
Production Casing:		
Bit size - 7 7/8"		
11,425' - 5 1/2"		
Weight	Grad/Conn	Set @
17#	J-55/LTC	3250'
17#	N-80/LTC	3853'
17#	J-55/STC	8307'
17#	N-80/LTC	11,425'
Production Cement:		
L-600 sx H Lite		
T-400 sx H		
Marker jt @ 9750, 9951, 10148		
TOC-5930 by CTS on 11/26/79		

11/09/82 10785-792, 850-53, 864-66, 876-79 (30 TOTAL)  
 Acidize w/ 3000 gal 7 1/2% MMR + 500 scf/bbl N2 + 60 BS  
 Frac w/ 16,000 gal Krystal Frac + 26,500#'s prop + 65 tons CO2  
 12/14/79 10,896-10,910 TCP (56 TOTAL) SQZ'D 11/06/82  
 Acidize w/ 3000 gal 15% MSR-100 + 1000 scf/bbls N2 + 88 BS  
 Acidize w/ 1,000 gal 7 1/2% NEFE + 1000 scf/bbl N2