

04/20/09 DATE IN	SUSPENSE	W. Jones ENGINEER	4/20/09 LOGGED IN	DHC TYPE	PKAA0911053541 APP NO
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RECEIVED

ABOVE THIS LINE FOR DIVISION USE ONLY

4584

30-015-35768

Skelly Fed. #4

Fasken Oil

151411e

**NEW MEXICO OIL CONSERVATION DIVISION**

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



2009 APR 20 PM 12 41

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

<u>Kim Tyson</u> Print or Type Name	<u>Kim Tyson</u> Signature	<u>Regulatory Analyst</u> Title	<u>4-15-09</u> Date
		<u>kimt@for1.com</u> e-mail Address	





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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-35768	<sup>2</sup> Pool Code 74640	<sup>3</sup> Pool Name Cemetary (Morrow)
<sup>4</sup> Property Code	<sup>5</sup> Property Name Skelly Federal	
<sup>7</sup> OGRID No. 151416	<sup>8</sup> Operator Name Fasken Oil and Ranch, Ltd.	<sup>6</sup> Well Number 4  <sup>9</sup> Elevation 4100'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	9	21S	24E		1350'	North	1135'	East	Eddy

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 320				<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

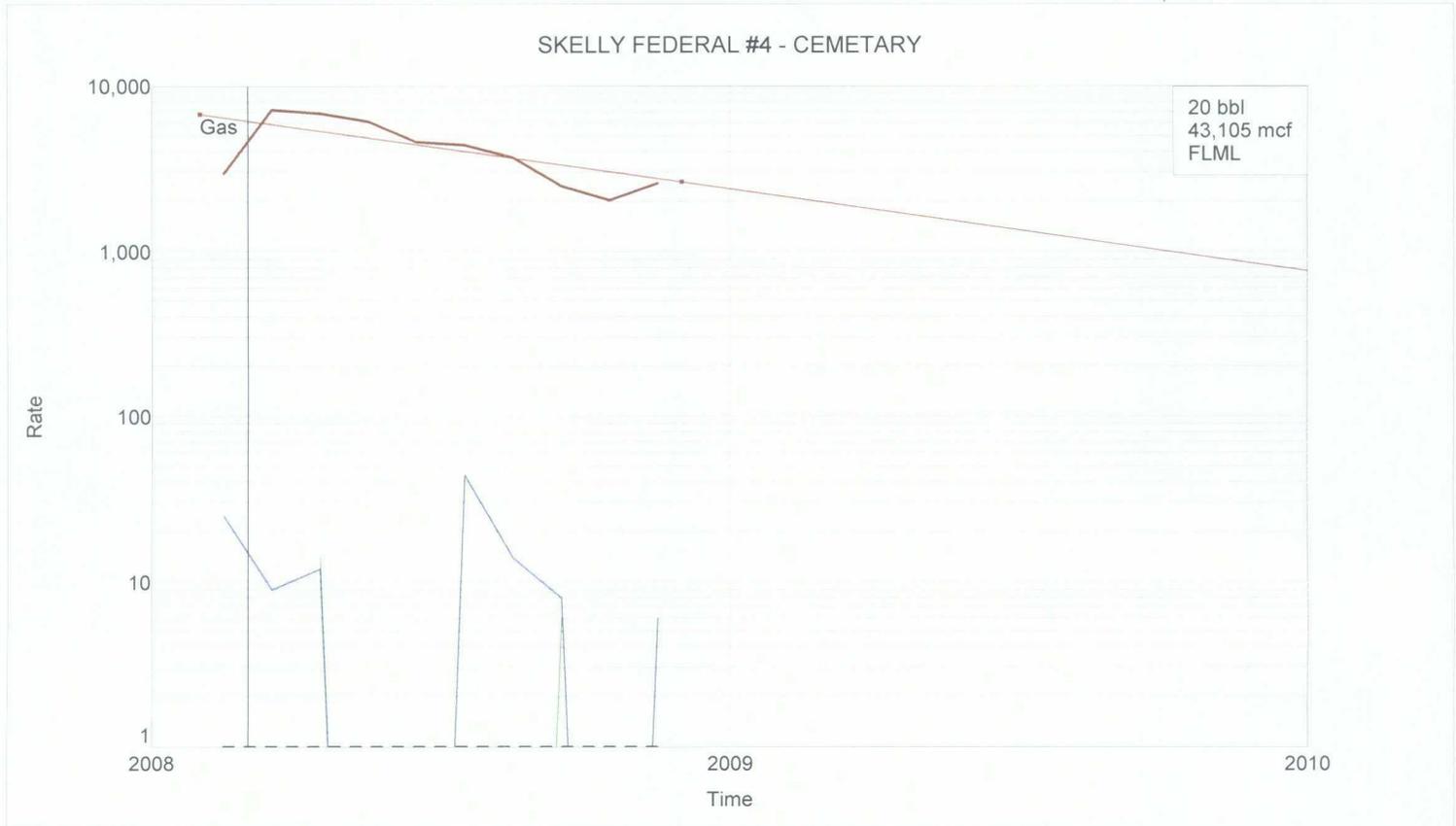
<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>
	Signature: <u>Kim Tyson</u> Date: <u>4-15-09</u> Printed Name: <u>Kim Tyson</u>
<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i>	Date of Survey: _____ Signature and Seal of Professional Surveyor: _____
	Certificate Number: _____

# Historic Production and Well Count Detail Report

Project: J:\PIAPPS\DWIGHTS\Tools90\Projects\CWB\FORL2005final for CWB use.mdb

Lease Name: SKELLY FEDERAL #4 (4)  
 County, ST: EDDY, NM  
 Location: 9H 21S 24E NW SE NE

Operator: FASKEN OIL AND RANCH LTD  
 Field Name: CEMETARY



Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Well Count	Days On	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
01/2008	0	0	0	0	0	0	0	0
02/2008	0	2,967	25	1	15	0	2,967	25
03/2008	0	7,225	9	1	31	0	10,192	34
04/2008	14	6,881	12	1	30	14	17,073	46
05/2008	0	6,152	0	1	31	14	23,225	46
06/2008	0	4,609	0	1	30	14	27,834	46
07/2008	0	4,413	44	1	31	14	32,247	90
08/2008	0	3,715	14	1	31	14	35,962	104
09/2008	6	2,497	8	1	30	20	38,459	112
10/2008	0	2,057	0	1	31	20	40,516	112
11/2008	0	2,589	6	1	30	20	43,105	118
12/2008	0	0	0	0	0	20	43,105	118
<b>Total:</b>	<b>20</b>	<b>43,105</b>	<b>118</b>		<b>290</b>			

# Fasken Oil and Ranch, Ltd.

## Skelly Federal No. 4

### Application for Downhole Commingling

#### Additional Data

A production curve for the Morrow is attached and averaged 86 mcf/d in November 2009 and 77 mcf/d in March 2008. The Morrow will be separated from the Strawn zones by a check valve and packer. Production for the Strawn zone in this well is not available since it has yet to be opened. However, there are two offsetting Strawn producers which initially produced 500 mcf/d and 350 mcf/d, respectively.

The estimated production rate for the Strawn in this well is based on a more aggressive stimulation. The estimated gas and condensate rates and suggested percentages are as follows:

Indian Basin (Strawn)	700 mcf/d	90%	5 bcpd	100%
Cemetery (Morrow)	77 mcf/d	10%	0 bcpd	0%

The condensate is assigned 100% to the Strawn zone since the depleted Morrow no longer produces significant condensate.

All working, royalty and overriding interests in this well are common and therefore, no notice is required.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NM0247971

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

7. If Unit of CA/Agreement, Name and/or No.  
NMNM88510

8. Well Name and No.  
Skelly Federal No. 4

2. Name of Operator  
Fasken Oil and Ranch, Ltd.

9. API Well No.  
30-015-35768

3a. Address  
303 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No. (include area code)  
432-687-1777

10. Field and Pool or Exploratory Area  
Cemetery (Morrow)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1350' FNL & 1135' FEL, Sec. 9, T21S, R24E

11. Country or Parish, State  
Eddy, New Mexico

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Downhole</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Commingle</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Fasken Oil and Ranch, Ltd. proposes to recomplete this well in the Indian Basin (Strawn) and Downhole Commingle with the Cemetery (Morrow).

See attached procedure.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Kim Tyson

Title Regulatory Analyst

Signature

*Kim Tyson*

Date 04/14/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**Skelly Federal No. 4  
1350' FNL & 1135' FEL  
Sec 9, T21S R24E  
AFE 1639**

<b>OBJECTIVE:</b>	<b>Add Strawn zone and DHC with Morrow</b>
<b>WELL DATA:</b>	
API Number:	30-015-35768
13-3/8" 48#/ft H-40 ST&C casing:	Set at 413.26' KB Cmt w/200sx"H" w/1% CaCl <sub>2</sub> (14.6 ppg, 1.52 cuft/sk) plus 400 "C" w/2% CaCl <sub>2</sub> (14.8 ppg, 1.32 cuft/sk) plus 1" 23 plugs, Tot 675sx "C" w/4% CaCl <sub>2</sub> . TOC surface.
9-5/8" 36#/ft J-55 LT&C casing:	Set at 3000.85' KB, Cmt w/200sx "H" w/41% CaCl <sub>2</sub> (14.6 ppg, 1.52 ft <sup>3</sup> /sx) plus 700sx "C" w/4% gel, 2% CaCl <sub>2</sub> (13.5 ppg, 1.74 ft <sup>3</sup> /sx) plus 200 sx "C" 2% CaCl <sub>2</sub> (14.8 ppg, 1.32 ft <sup>3</sup> /sk), TOC surf. Circ 232 sx.
4-1/2" 11.6# N-80 LT&C casing:	Set at 10,185.34', DV tool @ 5958.31'. 1st Stage: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft <sup>3</sup> /sx). Opened DV tool and circulated 129 sx cement to pit. 2nd stage: 950 sx "C" 50/50 Poz w/10% gel (11.8 ppg, 2.39 ft <sup>3</sup> /sx) plus 100sx Super "H" neat (15.6 ppg, 1.18 ft <sup>3</sup> /sx). TOC surf. Circ 159 sx. Marker jts: 11.00' @ 9774.71', 10.92' @ 8674.25'
Tubing and Packer:	3" OD x 2" ID wire line entry guide (0.45'), 4' x 2-3/8" perforated tubing sub (4.13'), 4-1/2" x 2-3/8" AS-1X:10K Packer (6.53'), 3-3/4" x 2-3/8" TOSSD (1.37') with 1.781" carbon steel "F" profile nipple and 307 jts 2-3/8" EUE 8rd N-80 tubing (9737.00'). Top packer @ 9753.45' with 16 pts. Compression.
Annulus:	190 bbls 3% KCL w/ 10 gal CS-35 clay stabilizer, 20 gal. CI-76 corrosion inhibitor and 10 gal. oxygen scavenger.
Perfs:	Feb '08: 9908'-16' (9h), 9924'-26' (3h), 9947'-50' (4h), 9974'-77' (4h) Mar '08: 9880'-92' (13h) Est BHP 1000 psi (basis: 9/24/08 SITP 750 psi)
KB:	4119'; 18' above GL
TD:	DTD 10,225', LTD 10,225'
PBTD:	10,138.07' (Float collar)

1. Shut well in 72 hours for a static surface pressure.
2. RU slick line and set 1.781" "F" blanking plug in profile nipple at 9753.45'
3. RUPU. Set matting board, pipe racks, and steel flowback pit.
4. RU pump truck and fill tubing w/ 38 bbls 3% KCL w/ clay stabilizer, corrosion inhibitor and oxygen scavenger. Test plug and tubing to 3000 psi.
5. NDWH, install 3000 psi BOP.
6. Release TOSSD and POW to 8766' (estimated tubing depth to equal bottom Strawn lime OH log perf 8773'). Circulate well spotting 500 gals of 15% NEFE triple inhibited HCl acid.
7. POW with tubing and TOSSD.
8. RUWL with 3000 psi lubricator and grease. Run GR/CCL log 9700' to 8500' (Note: marker joint 10.92' @ 8674.25'). Perforate Strawn with 3-1/8" casing gun as follows:

**8766' - 73' Lime (15h, 2JSPF, 0.40 EHD, 60° phased)**

15 total holes by Baker Hughes Compensated Z-Densilog, Compensated Neutron Log, Digital Spectralog, Gamma Ray Log dated 14-JAN-2008. POW, make sure all shots fired, and RDWL.

9. RU pump truck and displace 12 bbl spot acid via casing with 3% KCl water containing clay stabilizer at maximum rate attainable with maximum 3000 psi surface treating pressure.
10. RIW with 4' x2-3/8" EUE 8rd N-80 tubing sub, Arrowset IX 10k packer, TOSSD with 1.875" "F" profile nipple, and 2-3/8" EUE 8rd N-80 tubing to +/- 8700'. Reverse 5 bbls 3% KCL water into tubing.
11. ND BOP. NUWH setting packer in 12 points compression.
12. Swab and flow back acid and load water to steel test tank and evaluate.
13. RU stimulation company. Install tree saver. Trap 1500 psi on annulus. Acid frac Strawn perfs 8776'-73' via 2-3/8" tubing with 1000 gal 15% cross-linked acid + 1000 gals 15% gelled acid + 35% CO<sub>2</sub>, flushing with 3% KCL water with clay stabilizer and 35% CO<sub>2</sub>. Rate 5-10 bpm at max pressure 5000 psi. RD stimulation company and tree saver.
14. Swab and flow back acid and load water to steel test tank and evaluate.
15. RUWL with 3000 psi lubricator and grease. Perforate Strawn sands with 1-11/16" strip gun as follows:

**8963' – 68' Sand (6h, 1JSPF)**

**9113' – 18' Sand (6h, 1JSPF)**

**9193' – 98' Sand (6h, 1JSPF)**

18 total holes by Baker Hughes Compensated Z-Densilog, Compensated Neutron Log, Digital Spectralog, Gamma Ray Log dated 14-JAN-2008. POW, make sure all shots fired, and RDWL.

16. Flow well and evaluate.
17. Return well to sales.
18. RDPU.

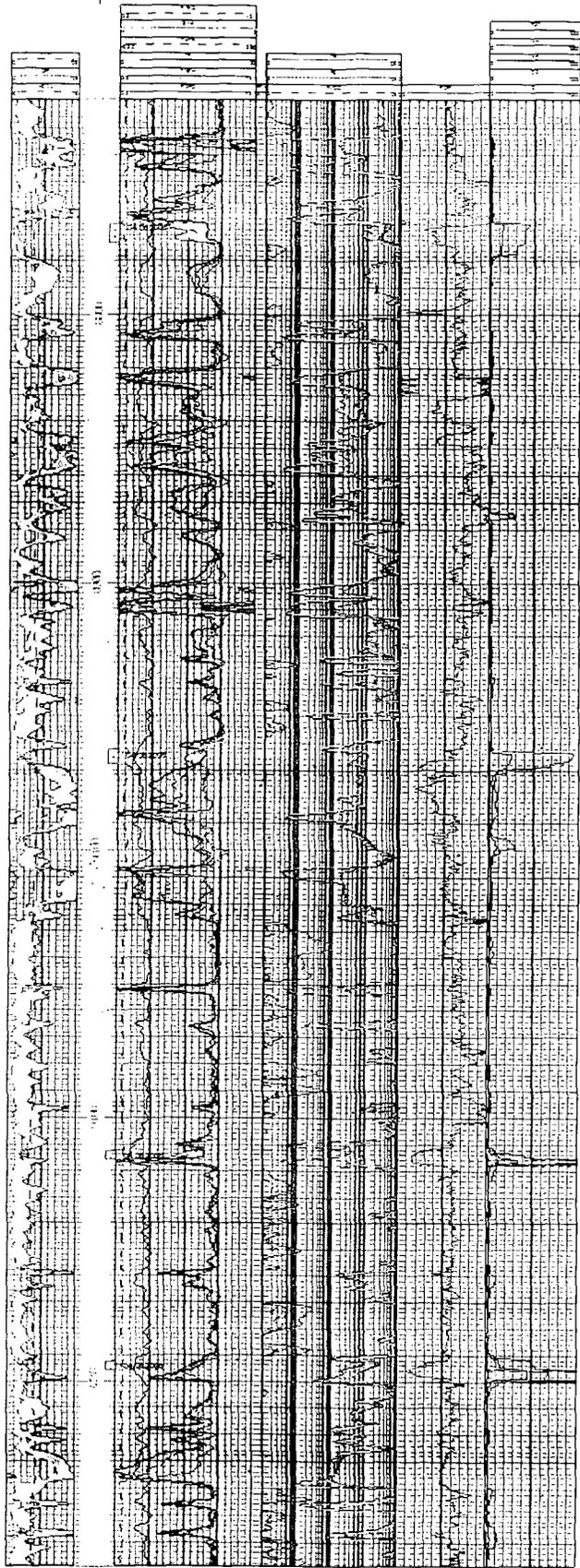
#### **Commingle Strawn with Morrow**

19. When Strawn and Morrow pressures are more equivalent, kill well with 34 bbls 3% KCL water containing clay stabilizer.
20. NDWH. NU BOP.
21. Release packer at +/-8700' and POW.
22. RIW with TOSSD with lugs cut off and 2-3/8" EUE 8rd N-80 tubing and tag "Morrow" packer @ +/-9753', pick up 1'-2'. TOSSD should be within 1'-2' of "Morrow" packer when wellhead is installed.
23. ND BOP. NUWH.
24. Swab and return well to sales. RDPU.
25. RUWL (pressure differential across blanking plug too uncertain for light weight slick line) with mast truck and RIW w/ equalizing prong and equalize pressure across 1.781" "F" blanking plug at 9753'. RIW with sinker bars, spang jars and oil jars and retrieve 1.781" "F" blanking plug from "Morrow" packer at 9753'. RIW with 1.781" "F" check valve plug and set in profile nipple at 9753'. RDWL.
26. POW and RDWL and return well to sales with Strawn and Morrow downhole commingled.

CWB  
4-6-09

(SkellyFed4 afe1639 add Strwn DHC with Morr pro 4-6-09 cwb.doc)

FASKEN OIL AND RANCH LTD  
SKELLY FEDERAL #4  
ELEV\_KB : 4.119



LWT : 200153576800

**DHC Strawn with Morrow**

as of 3-8-08

GL: 4100'

KB: 4119'

Well: **Skelly Federal No. 4**

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 1350' FNL & 1135' FEL  
Sec. 9, T-21-S, R-24-E  
Eddy County, NM

Compl.: 1/17/2008 released rig

API #: 30-015-35768

TD: DTD 10225', LTD 10225'

PBTD: 10,138.07' (Float collar)

Casing: **13-3/8" 48# H-40 @ 413.26'**

w/200sx"H" w/1% CaCl2 (14.6 ppg, 1.52 cuft/sk)

+400 "C" w/2% CaCl2 (14.8 ppg, 1.32 cuft/sk)

1" 23 plugs; Tot 675sx "C" w/4% CaCl2

TOC surf

**9-5/8" 36# J-55 @ 3000.85' KB**

200sx "H" w/41% CaCl2 (14.6 ppg, 1.52 ft<sup>3</sup>/sx)

+700sx "C" w/4% gel, 2% CaCl2 (13.5 ppg, 1.74 ft<sup>3</sup>/sx)

+ 200 sx "C" 2% CaCl2 (14.8 ppg, 1.32 ft<sup>3</sup>/sk)

TOC Surface, circ 232 sx.

**4-1/2" 11.6#/ft N-80 @ 10,185.34'**

1st stg: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft<sup>3</sup>/sx)

Circ 129 sx thru DV

DV: 5958.31'

950 sx "C" 50/50 Poz w/10% gel (11.8 ppg, 2.39 ft<sup>3</sup>/sx)

+ 100sx Super "H" neat (15.6 ppg, 1.18 ft<sup>3</sup>/sx)

TOC: 4-1/2" TOC Surf, Circ 159 sx

Marker Jts: 11.00' @ 9774.71', 10.92' @ 8674.25'

2-3/8" WL Entry Guide 0.45

2-3/8" EUE 8 rd J-55 perforated Sub 4.13

2-3/8"x4-1/2" AS 1X 10K Pkr w/1.781" F crbn stl PN 6.53

2-3/8" x 3.3/4" TOSSD 1.37

Btm of string @ 9759.98

Top pkr @ 9753.45

Proposed Tubing: 2-3/8" with TOSSD OE at +/-9750'

Perfs:

Proposed 8766'-73', 8963'-68', 9113'-18', 9193'-98'

Active

3/8/2008 9880'-92' (1spf, 0° ph, SG, 13h) Morrow L. Green

2/16/2008 9908'-16' (1spf, 0° ph, SG, 9h) Morrow L. Green

2/16/2008 9924'-26' (1spf, 0° ph, SG, 3h) Morrow L. Green

2/16/2008 9947'-50' (1spf, 0° ph, SG, 4h) Morrow Purple

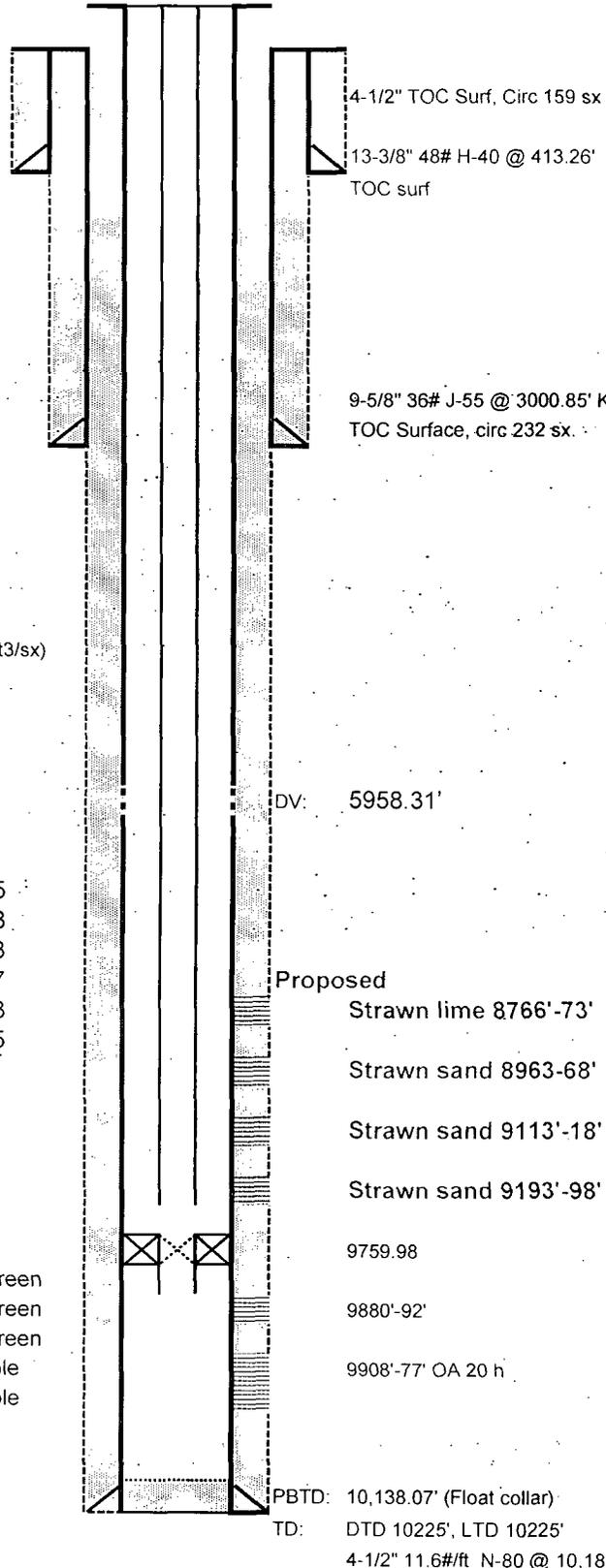
2/16/2008 9974'-77' (1spf, 0° ph, SG, 4h) Morrow Purple

Hole Sizes:

17-1/2" Surf-414' 12-1/4" 414'-3002'

8-3/4" 3002'-10225'

BHP: 9/24/08 SITP 750 psi, est BHP 1000 psi.



4-1/2" TOC Surf, Circ 159 sx

13-3/8" 48# H-40 @ 413.26'

TOC surf

9-5/8" 36# J-55 @ 3000.85' KB

TOC Surface, circ 232 sx.

DV: 5958.31'

Proposed

Strawn lime 8766'-73'

Strawn sand 8963'-68'

Strawn sand 9113'-18'

Strawn sand 9193'-98'

9759.98

9880'-92'

9908'-77' OA 20 h

PBTD: 10,138.07' (Float collar)

TD: DTD 10225', LTD 10225'

4-1/2" 11.6#/ft N-80 @ 10,185.34'

cwb

4/6/2009

SkellyFed4 WB diagram.xls

**Current**  
as of 3-8-08

GL: 4100'  
KB: 4119'

Well: **Skelly Federal No. 4**

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 1350' FNL & 1135' FEL  
Sec. 9, T-21-S, R-24-E  
Eddy County, NM

Compl.: 1/17/2008 released rig

API #: 30-015-35768

TD: DTD 10225', LTD 10225'

PBTD: 10,138.07' (Float collar)

Casing: **13-3/8" 48# H-40 @ 413.26'**

w/200sx"H" w/1% CaCl<sub>2</sub> (14.6 ppg, 1.52 cuft/sk)

+400 "C" w/2% CaCl<sub>2</sub> (14.8 ppg, 1.32 cuft/sk)

1"-23 plugs; Tot 675sx "C" w/4% CaCl<sub>2</sub>

TOC surf

**9-5/8" 36# J-55 @ 3000.85' KB**

200sx "H" w/41% CaCl<sub>2</sub> (14.6 ppg, 1.52 ft<sup>3</sup>/sx)

+700sx "C" w/4% gel, 2% CaCl<sub>2</sub> (13.5 ppg, 1.74 ft<sup>3</sup>/sx),

+ 200 sx "C" 2% CaCl<sub>2</sub> (14.8 ppg, 1.32 ft<sup>3</sup>/sk).

TOC Surface, circ 232 sx.

**4-1/2" 11.6#/ft N-80 @ 10,185.34'**

1st stg: 1550sx "H" 50/50 Poz w/2% gel (14.2 ppg, 1.3 ft<sup>3</sup>/sx)

Circ 129 sx thru DV

DV: 5958.31'

950 sx "C" 50/50 Poz w/10% gel (11.8 ppg, 2.39 ft<sup>3</sup>/sx)

+ 100sx Super "H" neat (15.6 ppg, 1.18 ft<sup>3</sup>/sx)

TOC: 4-1/2" TOC Surf, Circ 159 sx

Marker Jts: 11.00' @ 9774.71', 10.92' @ 8674.25'

2-3/8" WL Entry Guide 0.45

2-3/8" EUE 8 rd J-55 perforated Sub 4.13

2-3/8"x4-1/2" AS 1X 10K Pkr w/1.781" F crbn sitl PN 6.53

2-3/8" x 3.3/4" TOSSD 1.37

307 jts 2-3/8" EUE 8 rd. N-80 4.7# Tbg 9737.00

Total 9749.48

Below KB 15.00

Compression on Pkr -4.50

Btm of string @ 9759.98

Top pkr @ 9753.45

Perfs:

Active

3/8/2008 9880'-92' (1spf, 0° ph, SG, 13h) Morrow L. Green

2/16/2008 9908'-16' (1spf, 0° ph, SG, 9h) Morrow L. Green

2/16/2008 9924'-26' (1spf, 0° ph, SG, 3h) Morrow L. Green

2/16/2008 9947'-50' (1spf, 0° ph, SG, 4h) Morrow Purple

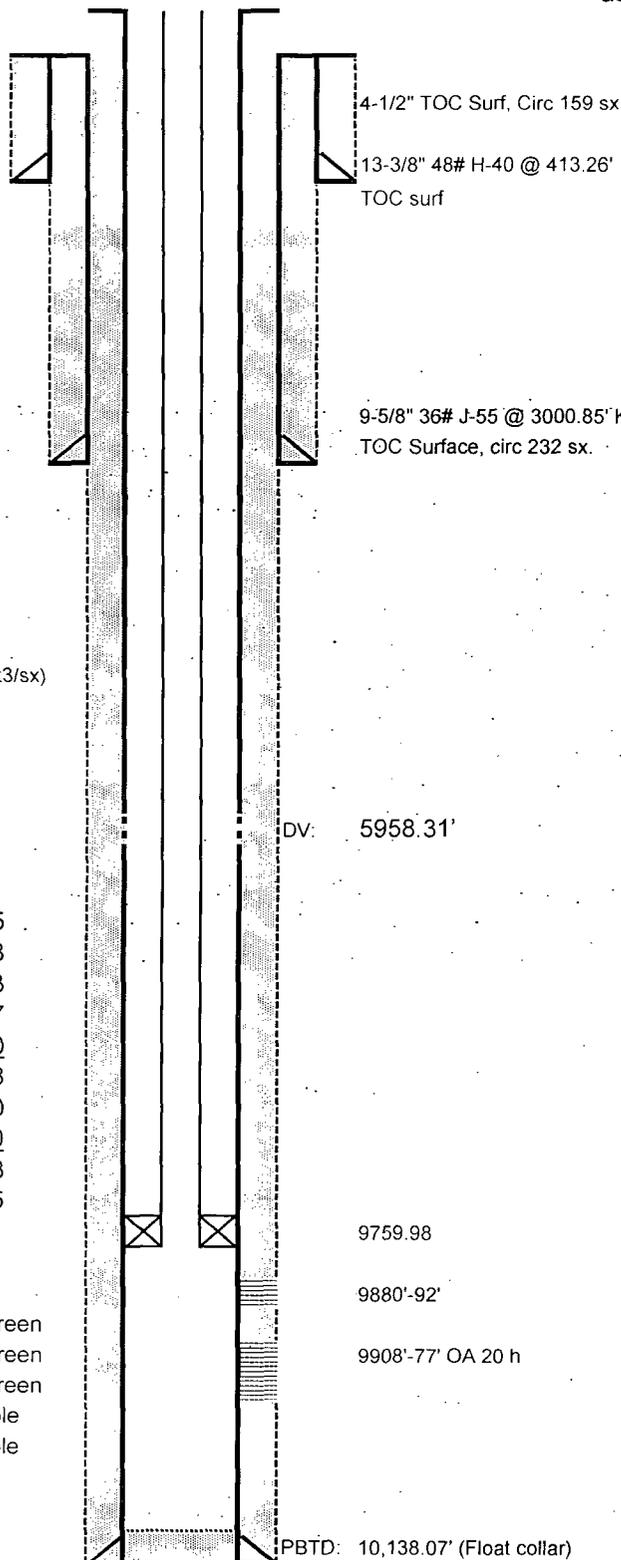
2/16/2008 9974'-77' (1spf, 0° ph, SG, 4h) Morrow Purple

Hole Sizes:

17-1/2" Surf-414' 12-1/4" 414'-3002'

8-3/4" 3002'-10225'

BHP: 9/24/08 SITP 750 psi, est BHP 1000 psi.



DV: 5958.31'

9759.98

9880'-92'

9908'-77' OA 20 h

PBTD: 10,138.07' (Float collar)

TD: DTD 10225', LTD 10225'

4-1/2" 11.6#/ft N-80 @ 10,185.34'

cwb

4/6/2009

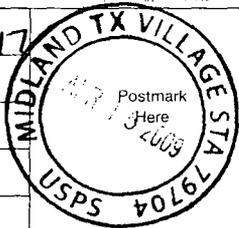
SkellyFed4 WB diagram.xls

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